

Vol. 87, No. 38 Cambridge, Massachusetts, Friday, October 20, 1967 Five Cents

## 'Corrupts' audience

# Atheist Murray speaks

"I came here to corrupt you." With these words, noted atheist Madalyn Murray opened her lecture and discussion Tuesday night in the Mezzanine Game Room of the Student Center. Sponsored by the Modern Man Society, the talk drew approximately 300.

### Definition of Atheism

An articulate holder of three college degrees, Mrs. Murray offered her listeners a searing indictment of the position and value of religion in today's world. In developing her thesis that "No God ever gave any man anything anytime anywhere," Mrs. Murray first defined atheism as the denial

of the existence of any God and the denial of the efficacy of prayer. She loosely defined God as any supernatural force greater

than man and having power over man.

Mrs. Murray attacked the at- (Please turn to page 5)

# Phi Beta Kappa names Smith one of eight national scholars

Dr. Huston Smith, Department of Humanities, has been named first Phi Beta Kappa scholar from MIT. Since his appointment to the Department of Humanities in 1956, he has been teaching here as a professor of philosophy.

### Only eight named

As one of eight Phi Beta Kappa scholars from the nation, Dr. Smith will visit eight colleges and universities throughout the country during the 1967-1968 academic year. At each school, he will spend two or three days conducting classroom and seminar discussions; meeting informally with students and faculty, and giving at least one major address to each academic community. Having already spoken at Wilson College and Wake Forest College, Professor Smith will go to the University of Kentucky, Bucknell University, Southwestern University, College of St. Catherine, Augustana College, and Rockford College during the next five months.

### Education

A graduate of Central College

in Missouri, Dr. Smith received the PhD degree from the University of Chicago in 1945. He lectured at the University of Denver and the University of Colorado before joining the faculty of Washington University in 1947.

His literary career began in 1958, when his book "Religions of Man" was published in three editions. Other books by Dr. Smith include "Condemned to Meaning" and "The Purpose of Higher Education." In 1959 he became the editor and co-author of "The Search for America," a magazine which evolved from a series of televised lectures focusing on

crucial issues facing the American people in the 1960's.

### Others honored

Dr. Smith joins a list of distinguished figures in literature, philosophy, and the arts in being named a Phi Beta Kappa scholar. Among others who have been accorded this honor are writer Catherine Drinker Bowen, astronomer Harlow Shapley, composer and conductor Howard Hanson, the late poet Randall Jarrell, sociologist Daniel Bell, Yale biologist Paul Sears, author Sean O'Faolain, novelist Wallace Stegner, and Nobel Prize Winners, I. I. Rabi and Polykarp Kusch.

## 'Paper Lion' author

# LSC presents Plimpton

George Plimpton, a noted author and an implausible athlete, will describe his many experiences in a talk entitled "Amateurism vs. Professionalism in Sports" Wednesday night at 8 pm in Kresge Auditorium. The speech, sponsored by the Lecture Series Committee, will be free to those with MIT identification.

### Varied experience

Plimpton's experiences have included a try-out as a professional football player for the Detroit Lions, a pitching stint in an All-Star Game, service as escort of Jacqueline Kennedy and Queen Elizabeth, editor of a literary magazine, friendships with John F. Kennedy, Cassius Clay, Truman Capote, and many other noted figures.

Plimpton's ambition, as pronounced by a friend, is "to know everyone of his time who is famous, interesting, or talented and to be wherever they are. Like Oscar Wilde, he wants to make a work of art out of his life."

In fulfilling this ambition, Plimpton's attempts to work with talented people have led him to such varied contests as a set of tennis against Pancho Gonzales, a round of golf with Sam Snead, three rounds of boxing with Archie Moore, and a rubber of bridge with Oswald Jacoby.

### Literary talent

In addition to his athletic exploits, Plimpton is a noted literary figure. He is editor of *The Paris Review* and the author of several books. These include "Paper Lion"—a tale of his football try-out—and "Out of My League"—a recounting of his pitching in the All-Star Game.

# New York City Ballet to perform in Kresge

## Bernard Haggin, outspoken critic, introduces group

By Al Greenfield

The Department of Humanities and the Lecture Series Committee will present this year's Abromowitz Memorial Lecture Friday, October 27, and Saturday, October 28. It will be the performance of "Apollo," a ballet by Igor Stravinsky and George Balanchine, starring Edward Villella and Patricia McBride. The ballet will be introduced by the noted music critic, Bernard Haggin. For 44 years, Haggin has been the music world's chief iconoclast. "I am bound to report what I hear," he writes, "and the reader then is free to find what I say to be true or not true for him." In this spirit, Haggin rarely fails to fulfill a basic function of criticism. He sends the reader — delighted, perplexed or steaming mad — back to the music.

Patricia McBride, 22, born in

Teaneck, New Jersey, rose meteorically through the ranks to the coveted plateau of principal dancer at 18. Her versatility, from the affected beauty in *La Valse* to the man-eating insect in *The Cage*, is unmatched by any dancer her age. Petite (5' 3"), she relies more on speed, beauty of line, and polished precision than strength. She frequently tours in- (Please turn to Page 8)

## Haacke exhibit features systems of 'grass', 'ice'

Imaginative "systems" in the process of being constructed form an intriguing landscape to be seen by those passing by Hayden gallery. Hans Haacke, the artist whose exhibit of "systems" (he refuses to refer to his work as sculpture) will open Tuesday, is currently assembling the various pieces which will compose his show.

### 'Grass,' 'Ice Stick'

Among the works which will be on display are "Grass," a mound of dirt in which a grass seed has been planted, and "Ice Stick," a stainless steel cube with a tall stick protruding. Ice has already formed on the "Ice Stick," the result, according to Haacke, is the condensation of "environmental moisture." No grass has yet been reported, however.

At ease in what for him is a natural and relaxed atmosphere, Haacke spoke with those present about his philosophy of art. In reply to an inquiry as to whether or not his work could be considered art, he was wary. In order to classify his works, Haacke said, "I would have to define art." Since this question was of a philosophic nature, he felt unable to make such a determination. However, he added, the display of his work does qualify as an "exhibit" due to the fact that it is being held in Hayden.

### Significance of forms

Do his forms have artistic sig- (Please turn to Page 3)



Photo by Dave Pack

Madalyn Murray spoke to approximately 300 people Tuesday night.

## Two juniors urge changes in non-science curriculum

By Paul Johnston

Two juniors in Political Science have submitted to their department a paper criticizing the Institute curriculum as it applies to them and other non-scientists and calling for a basic re-evaluation of the purposes and specifics of that curriculum.

### "Disenfranchised"

The writers of this "manifesto"—as they refer to it—were Jim Woods and Jim Smith. The main point of their paper is that the present curriculum, which was designed on the assumption that all undergraduates come here to major in science or engineering, thereby "disenfranchises" those students who in fact come to MIT for non-science majors.

### The second year

The brunt of the criticism of the paper, is placed upon the

second year program of 36 hours science area electives and 12 hours of laboratory. The paper quotes the CEP's 1964 report as saying that the purpose of this sophomore schedule is to "provide an arena in which all departments may compete for the students' favor", and that it also serves to allow the early concentrator to "plunge immediately" into his major. The paper's appendix shows that only 58 percent of the departments offer science areas electives, and even a smaller number offer a laboratory. Hence, while a Course VI major may satisfy 24 hours of his "distributional" requirement and lab with his own major, the non-scientist is left with all 48 hours which are not only "distributional" but in fact irrelevant.

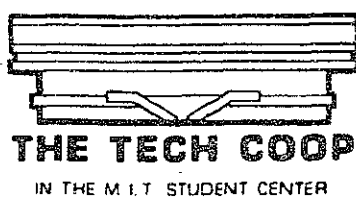
(Please turn to Page 6)



George Plimpton (number 0) stands beside Detroit Lions linebacker Joe Schmidt during pro football try-out.



# SAVINGS FOR SHOPPERS WHO THINK OF CHRISTMAS IN OCTOBER!



Regular Hours: 8:50 - 5:30 PM, Mon. - Fri. / Sat. 9:20 - 6:00 PM.  
Free Parking . . . On Saturdays at 3 spacious parking areas adjacent to the Student Center.

## MUSIC TO YOUR EARS...

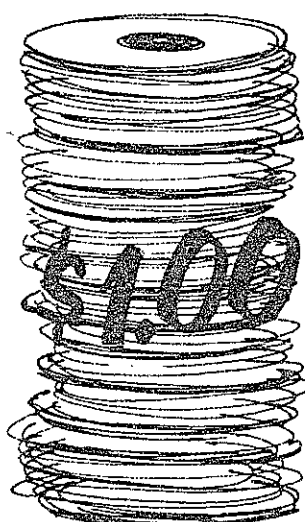
Thousands of new Mono  
and Stereo L.P.'s

**\$1.98 per record 5 for \$9.00**  
(originally \$3.98, 4.98 and 5.98).

- Dvorak • Mozart • Bach • Beethoven • Andres Segovia
- Carlos Montoya • Pete Seeger • Billie Holiday
- Leadbelly • Charlie Parker

Here's your chance to save on top-notch recordings you'd pay up to five times as much for at their regular price! All are long playing 12" recordings featuring the greats in classical, baroque, romantic, flamenco, jazz, folk music. Have a ball buying these albums for yourself or someone on your Christmas list.

Second Floor — Book Store and Record Shop  
also at the Tech Coop Record Dept.



## BEATING ALL RECORDS!

**15,000 L.P.'s FOR ONLY \$1.00 EACH!**

Now the Coop offers more than 15,000 outstanding recordings at only \$1.00 for a 12" L.P. Included in this special group is a wide selection of classical, orchestral, symphonic, chamber, popular, jazz and folk music. All on famous labels you'll recognize immediately . . . by renowned artists, conductors, composers. Come early for best selection. Stock up now for Christmas giving.

\$1.00 Record Sale in Special Section 3rd Floor Coop Bookstore and Record Shop. Also at the Tech Coop Record Dept.

## A BONANZA OF BOOKS!

Hundreds of Books on Sale  
at the Coop!

**30% to 70% off original price!**

All brand-new, clothbound editions from leading publishers. Book bargains with something for everyone . . . recent best-sellers, art, color-plate and reference books. Books on everything from cookery to space technology. Some multi-sets . . . some collector's items too! A bang-up book sale with many prices reduced below cost. A perfect opportunity to beat the Christmas rush and save!

### A Small Sampling:

- Harvard Today — THE LONG REACH by Peter French.  
Pub. at \$4.00 . . . Sale .59
- A. L. Rowse's WILLIAM SHAKESPEARE.  
Pub. at \$7.50 . . . Sale \$2.98
- Sir Kenneth Clark — LOOKING AT PICTURES.  
\$10 . . . Sale \$3.98
- PICASSO'S WORLD OF CHILDREN by Helen Kay.  
Pub. at \$25.00 . . . Sale \$12.95
- Winston Churchill's THE ISLAND RACE.  
Pub. at \$27.50 . . . Sale \$9.95
- LAROUSSE ENCYCLOPEDIA OF MODERN HISTORY  
edited by Marcel Dunan Pub. at \$20.00 . . . Sale \$9.95
- THE BERNARD BERENSON TREASURY edited by Hanna Kiel.  
\$6.95 . . . Sale \$1.98
- THE NUREMBERG CHRONICLE. Limited Edition. \$29.95
- THE BEST OF BEARDSLEY edited by R. A. Walker.  
Special Import . . . \$4.95
- Simone de Beauvoir: FORCE OF CIRCUMSTANCE  
\$10 . . . Sale \$1.98

### For Younger Readers

- THE ADVENTURES OF TOM SAWYER by Mark Twain.  
\$5 . . . Sale \$2.98
- THE ADVENTURES OF HUCKLEBERRY FINN by Mark Twain.  
\$2.98
- TALES FROM SHAKESPEARE by Charles and Mary Lamb. \$2.98
- NEW READER'S DIGEST TREASURY FOR YOUNG READERS.  
\$5.95 . . . Sale \$1.00

THIRD FLOOR — BOOK BUILDING  
Also at the Tech Coop Book Dept.

## THE COOP'S BIG PRINT-GO-ROUND

- BRUSH STROKES . . . \$1.98 each  
Mounted Brush Strokes Prints (18" x 22"). Excellent reproduction of works by famous artists in a fine brush stroke technique. (Special group of 24" x 30" prints . . . \$2.98 each)
- MOUNTED PRINTS . . . \$4.98 each  
The best of Klee, Chagall, Miro, Marchand, Mondrian, Picasso. Mounted and ready for framing.
- LINEN CANVAS PAINTING PRINTS . . . \$9.95 each  
Nearest thing to an original. Selected reproductions printed directly on linen canvas, stretched and attached to a wooden frame.
- PAPER PRINTS . . . \$1.50 each  
Hundreds and hundreds of fine prints of the world's great artists. Whoever is your favorite — we have it!
- SMALL MOUNTED PRINTS . . . \$1.00 each  
Impeccably mounted fine art miniatures. Size approximately 9" x 12". Wonderful in groups or singly. Buy several.
- CHILDREN'S PRINTS . . . \$1.50 each  
Nursery stories, posters depicting the history of cars, planes, space age, animals, trees, flags etc.
- FRAMES TO FIT ALL SIZES . . . \$2.69 - \$6.79 each  
In natural wood, white line, gold, bronze and walnut.  
Above on Sale — Third Floor Book Store and Record Shop
- PERSONALITY POSTERS . . . From \$1.00 each  
All the famous classic and modern faces.
- TRAVEL POSTERS . . . From \$1.00 each  
Depicting popular scenes of various countries.
- SAN FRANCISCO POSTERS . . . From \$1.00 each  
Loren Gillette, Totem I, Oh My Gosh, Avalon Ballroom.
- PSYCHEDELIC DESIGNS . . . From \$1.00 each  
Third Eye, Electric Lotus, East Totem West, Greg Boop.

ABOVE ON SALE — SECOND FLOOR BOOK AND RECORD BUILDING ALSO AT TECH COOP

- CUSTOM FRAMING  
Choose from a wide selection of mats and frames. Quality work, rapid service. Any Prints, any size.

Mezzanine Floor — Main Building  
Also at Tech Coop

# Boston Council plans year

By Dave Kaye  
Presided over by Bob Horvitz '68 and attended by 16 delegates, including Bruce Ender '69, the first meeting of the Boston Inter-collegiate Council was held Wednesday evening in the Inscornm Conference Room.

**Limits activities**  
Ultimately, the group decided to limit its immediate activities to only four projects. Noting that in past years two schools found themselves paying transportation costs for the same entertainers, the Council hopes to coordinate the booking for social events. Magnanimously, in what was evidently a gesture of good-will, the delegate from Boston State of-

fered council members tickets to his school's first concert of the year.  
A minor delay arose in the discussion of publishing a directory of student activities and organizations when the group's public relations chairman was unable to recall his telephone number.

A number of smaller schools were concerned with obtaining access to the library facilities of other colleges. In particular, an individual from University of Massachusetts (Boston) was heard to comment that "A library like that of MIT would be of great use to us."

In the realm of educational reform talk of a conference ensued

and a young lady from Wheelock made mention of a Student Bill of Rights being drafted at that institution.

## Changes planned in Social Beaver

Substantial changes are planned in the format of the 1968 **Social Beaver**, according to an announcement by the Beaver's editorial staff. In order to make the Beaver a more comprehensive guide to Boston social scene, expanded sections are planned for women's colleges, restaurants, theaters, museums, and the Boston-Cambridge student community.

Because of the revisions, extra ad salesmen and writers are needed. Interested persons should contact Bill Behrens '70, Fritz Efaw '68, or Bob Swithers '70 personally or through TCA.

### GRAD STUDENT

Part time work on campus.

Hours open.

Phone 246-5760

# Haacke sees significance in unique reactions to art



Photo by Bill Ingram

An assistant of Hans Haacke assembles the artist's "White Flow," a ripple system which will go on display with other "systems" Tuesday in Hayden.

(Continued from Page 1)

nificance? Once again, Haacke was reluctant to commit himself to too forthright a statement. "It all depends on the people (who view the work)," he said.

As a teacher of art at Cooper Union, Haacke's concepts of individualism in art show up in his

attitude toward his students. "I emphasize," he stated, "that every student has to find his own way." When asked why he built his systems, however, he commented, "I can't really answer that."

### Artists' objectives

What is the viewer expected to gain? "I'm not out for numbing people into believing something," was Haacke's reply; he added that he was not trying to have people form any special reactions to his works, though he hoped that his work would not give viewers a bad reaction.

## Harvard Law professor to discuss Warren Court Monday evening in EC

Archibald Cox, Solicitor General under Presidents Kennedy and Johnson and Samuel Williston, Professor of Law at Harvard University will discuss the Warren Court at the first of a series of seminars and lectures in government, political science, and current affairs at MIT.

The seminar will be held Monday evening, October 23, at 8:00 pm in Talbot Lounge, East Campus.

Professor Cox is one of the likely candidates for the post of Dean of the Harvard School of Law. Presently James Casner is the acting Dean.

## NEW — FIND SCHOLARSHIPS BY COMPUTER

Last year \$30 million in college scholarships went unclaimed — because no qualified persons applied . . . because no qualified persons knew of them.  
• Now ECS engineers and educators have programmed a high-speed computer with 700,000 items of scholastic aid, worth over \$500 million, to permit students to easily and quickly locate scholarships for which they qualify.  
• The student fills out a detailed, confidential questionnaire and returns it to ECS, with a one-time computer-processing fee of \$15. In seconds the computer compares his qualifications against requirements of grants set up by foundations, business, civic, fraternal, religious, and government organizations, and prints a personalized report to the student telling him where and when to apply for grants for which he qualifies. Thousands of these do not depend on scholastic standing or financial need.

### FREE INFORMATION AND SAMPLE QUESTIONNAIRE

**ECS** NORTH AMERICAN EDUCATIONAL COMPUTER SERVICES, INC.  
195 NASSAU STREET  
PRINCETON, NEW JERSEY

Send \_\_\_\_\_ Questionnaires  
qty \_\_\_\_\_

name \_\_\_\_\_ (print)

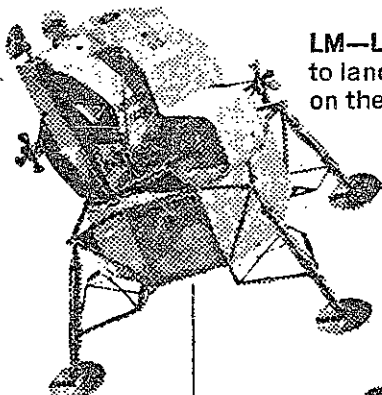
address \_\_\_\_\_

zip \_\_\_\_\_

## THE SPREAD-EAGLE OF TECHNOLOGY AT GRUMMAN

*Ranges from inner to outer space*

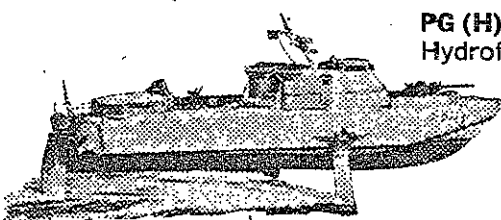
Grumman has special interest for the graduating engineer and scientist seeking the widest spread of technology for his skills. At Grumman, engineers are involved in deep ocean technology...engineers see their advanced aircraft designs proven daily in the air over Vietnam, and soon...in outer space, the Grumman LM (Lunar Module) will land the astronauts on the lunar surface. Grumman, situated in Bethpage, L.I. (30 miles from N.Y.C.), is in the cultural center of activity. Universities are close at hand for those who wish to continue their studies. C.C.N.Y., Manhattan College, New York University, Pratt Institute, Columbia University, State University at Stony Brook, Polytechnic Institute of Brooklyn, Hofstra University and Adelphi College are all within easy distance. The surroundings are not hard to take. Five beautiful public golf courses are in Bethpage—two minutes from the plant. White sand beaches stretch for miles along the Atlantic (12 minutes drive). The famed sailing reaches of Long Island Sound are only eleven miles away. The informal atmosphere is a Grumman tradition, matched by an equally hard-nosed one of turning out some of the free world's highest performance aircraft systems and space vehicles. To name a few . . .



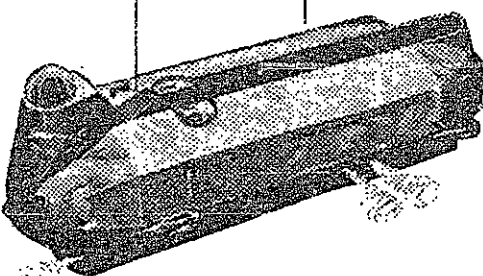
LM—Lunar Module to land the astronauts on the lunar surface



EA-6A Intruder—All-weather, tactical, electronic weapon system



PG (H)—57-ton Hydrofoil Seacraft



PX15—4-Man Deep Submersible Vessel to conduct undersea experiments

Here then is the opportunity for graduating engineers, AEs, CEs, EEs, MEs, IEs, Physic majors and Chemical Engineering majors . . . to take their place in the continuum of technology that is Grumman. Grumman representatives will be

**ON CAMPUS OCTOBER 31**

To obtain Grumman literature and arrange an interview, contact your placement office.

If an interview is not convenient at this time, send comprehensive resume to: Mr. Frank A. Hurley, Administrator of College Relations, Engineering Employment, Dept. GR-251



**GRUMMAN**

AIRCRAFT ENGINEERING CORPORATION  
Bethpage • Long Island • New York, 11714

An equal opportunity employer (M/F)



# The Ballet

Last year (Feb. 10, 1967) we expressed our praise for and gratitude to the Humanities Department for its cultural program under the direction of Prof. Richard M. Douglas, Head of the Dept. of Humanities. This year's program continues that fine tradition of presenting MIT with first rate performances of original entertainment, usually at no cost to the audience.

On October 27, 28 the ballet Apollo by Igor Stravinsky and George Balanchine will be presented at Kresge, starring Edward Villella and Patricia McBride of the New York City Ballet Company. Most Techmen, we would presume, have never seen a ballet, so this free performance presents a rare opportunity to view a fine production without the usual expense. The tickets available in Building 10 are in short supply, so get there early.

## ExecComm Member-at-Large

### ON THE SPOT

(Dave Peterson '68 is Member-at-Large of the Executive Committee of Inscomm, and is also Chairman of the Student Committee on Environment.)

**The Tech:** Last week's Institute Committee meeting was exceptionally long and many people voiced dissatisfaction over the long delays about electing Spring Weekend Committee members. What do you think were the reasons for the difficulties at the meeting?

**Peterson:** In the first place, the meeting was not exceptionally long. Inscomm election meetings have always lasted several hours, even when some of the candidates were uncontested. The factor that made this meeting unusual was a minor change in format that had been designed to shorten the election. Clearly it failed miserably. The Executive Committee was to make strong recommendations for candidates obviously outstanding, and these recommendations were to have been followed unless there were strong objections from the floor. To answer your question, the difficulties arose from the fact that this change was in the wrong direction. Under this and the previous format a committee structured like Inscomm can not efficiently conduct as many elections as it has.

**The Tech:** About how many elections must Inscomm conduct a year?

**Peterson:** We must elect about 30 people in 8 elections per year.

**The Tech:** Do you see a possibility of streamlining the present election procedure, which involves Executive Committee interviews with the candidates, speeches by the candidates at Inscomm meetings, recommendations by the Executive Committee, and finally discussion and election by the voting members of Inscomm?

**Peterson:** Definitely. The problem in the last meeting was the same as in previous election meetings in that the voting members had no efficient way of expressing their opinions about the candidates. Inscomm is too large for the group to reach a quick consensus, but too small for a member to comfortably vote without expressing his reservations and recommendations, and so forth. It may be necessary to reorganize Institute Committee itself once again. But I think a major problem lies with the Executive Committee. Institute Committee should be given a well researched set of information about each candidate with accurate recommendations from some executive-type committee, including the opinions of Inscomm members.

**The Tech:** But wouldn't an election procedure depending on even very clear and strong recommendations by the Executive Committee, assuming they are heeded, take away some of the prerogatives and powers of Inscomm?

**Peterson:** No. The problem now is that Inscomm spends inordinate amounts of time relating the opinions and analysis of individual members — opinions which were not necessarily previously considered by the Executive Committee. It is clear from past experience and especially from the last meeting that Inscomm is not willing to accept any recommendations no matter how strong, unless their opinions are voiced at the election meeting. Traditionally, in spite of long, often disorganized meetings, the candidates recommended by the Executive Committee and particular committee chairmen involved are elected anyway. If the opinions of Inscomm members are incorporated into these recommendations and the reasons behind each recommendation are cited briefly and completely at all election meetings, then Inscomm can reasonably and comfortably ratify such recommendations, unless the recommending body has clearly erred. The problem now is that an election meeting is a poor format for correlating all relevant information about all candidates.

**The Tech:** Moving to another topic, what does Inscomm expect to gain from the MIT Myth Conference?

**Peterson:** Most of the worth of Inscomm as representative of the student body comes from feedback to the faculty and administration and in the work of the subcommittees. The conference is designed to provide information which will expedite the effectiveness of subcommittees on certain areas of practical interest to the student body and to raise or crystalize issues relevant to the improvement of MIT.

**The Tech:** There has been some controversy between Inscomm and Beaver Key about Field Day. If the policy laid down by Beaver Key concerning Field Day runs counter to the desires of Inscomm, do you feel Inscomm has a right to step in and rectify the matter according to its wishes?

# THE TECH

Vol. LXXXVII, No. 38 Oct. 20, 1967

Chairman	Guille Cox '68
Editor	Mike Rodburg '68
Managing Editors	John Corwin '68 Tom Thomas '69
Business Manager	Dan Green '68
News Editor	Mark Bolotin '68
Features Editor	Michael Warren '69
Sports Editor	Tony Lima '69
Entertainment Editor	Jack Donohue '69
Photography Editor	Bill Ingram '68
Advertising Editor	Nick Covatta '68
Editorial Consultants	Gerry Banner '68 Mark McNamee '68
Associate Managing Editors	Greg Arenson '70 Bob Cubert '68
Associate News Editors	Steve Carhart '70 Paul Johnston '70
Associate Sports Editor	George Wood '70
Intramural Sports Editor	Joel Hemmelstein '70
Associate Photography Editor	Jeff Reynolds '69
Accounts Receivable	Pat Green '68
National Advertising Manager	Jack Swaim '69
Assistant Advertising Manager	Regan Fay '70
Treasurer	Steve Tharp '71
Controller	Steve Kinney '70

## footnotes\*

by Michael Warren

86. If you need a pamphlet from the Dewey Library Reserve, and the pamphlet would normally be filed under "V," forget it. Somehow, in labelling their cabinets, the people at Dewey left out a provision for articles beginning with the letter "V." One cabinet proclaims "T - U," while the next says "W - Z." Well, nobody is perfect.

87. As long as we are discussing things that don't exist, we might as well move on to 1967 editions of Technique. While these may be found in abundance in various rooms around campus, there is a conspicuous lack of the book in the

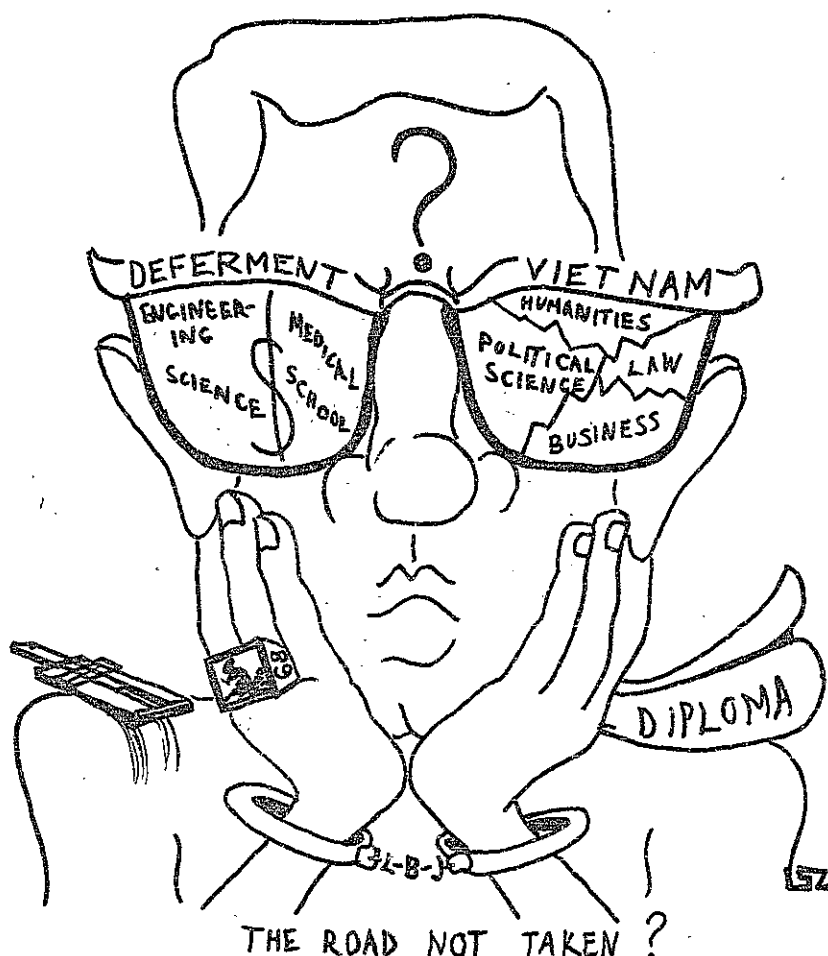
Technique offices. We hope that the book's absence is only a temporary matter, because there seems to be something called copyright laws which require two copies to be saved. But then, this is really not a unique problem. There are many editions that aren't to be found in the Technique office either.

88. The October 16 issue of Newsweek has as its feature on education an article entitled "Zach's Way." Zach, is of course, Institute Professor Jerrold R. Zacharias. The article, besides stating most of Zach's past accomplishments, gave a great deal of space to the new scholarship plan, devised by Zacharias, which will take the economic discrimination out of higher education.

89. Mrs. Laura Johnson, wife of President Howard Johnson, has lost her white persian cat. The cat sported a red collar along with one gold, and one blue eye. If found, please call x2829, the President's House.

Rumors persist that if the cat is not found or returned soon, a raid will be conducted upon Senior House to see if any resident is breaking the Institute rules forbidding pets in the dormitories.

90. If anyone still intends to take a jaunt up to Montreal and catch Expo in its closing days, don't let a lack of hard cash deter you. All you need is a credit card and the rest is simple. Most major pavilions, and the Expo management itself, honor at least one US credit card. Not to be outdone, however, are the gift shops of the Russian pavilion, which honor American Express, Diner's Club, and Carte Blanche credit cards, and also give a 7% discount on US currency.



## Letters to The Tech

### Lab requirement

To the Editor:

Your October 13th editorial urging the elimination of the laboratory requirement for humanities and social science majors begs the question: Does the lack of direct application imply that a subject is a waste of time? The broadening of the undergraduate curriculum begun a generation ago at MIT stems from an educational philosophy which seeks to expand the common ground held by the scientific and the historic points of view. In his efforts to humanize our engineers and scientists, the teacher has become student as well, learning the scientist's method and opening the door to great liberalization of the "liberal" arts. This is the message that MIT carries for people, like myself, whose major interests lie outside the physical sciences. As a student of economics, I value the immediately useful tools, like applied mathematics, just as the engineer or scientist values the ability to construct an English sentence. But our common domain has spread beyond these obvious, utilitarian areas. If Aristotle has something to say to the physicist, the economist can learn from Maxwell. While it is possible to re-enact a great experiment in a lecture hall, the most effective way to learn how a scientist approaches a question experimentally is to try it yourself in a laboratory. There may be some silly rules at MIT, but I cannot

agree that the lab requirement is one of them. After all, the value of education results not so much from the information it transmits as from the point of view it cultivates.

Richard B. Parker, 68

### Good grief!

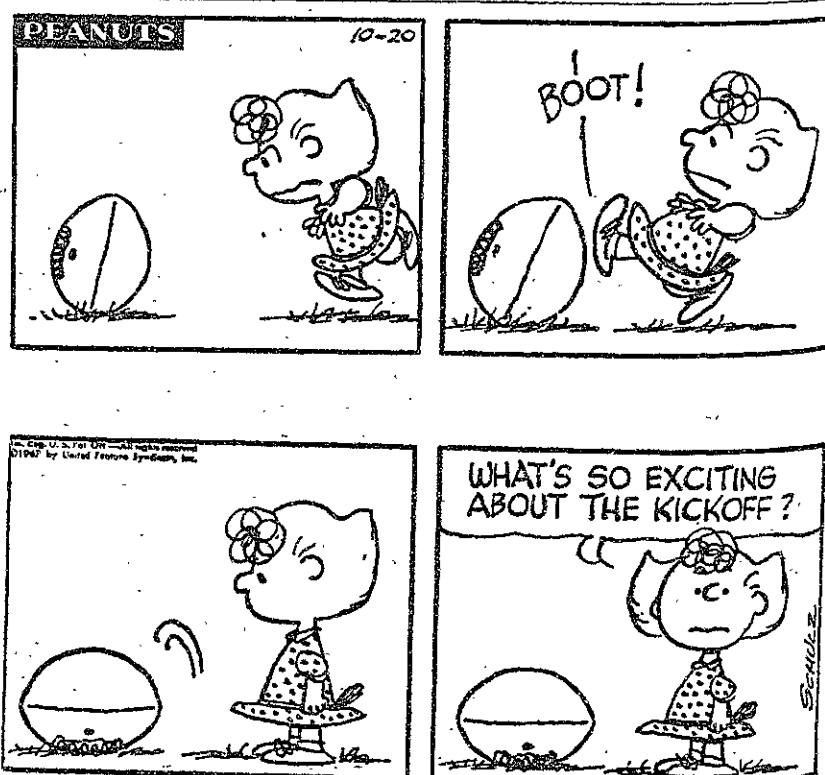
To the Editor:

I would like to point out an error

(Ed. note: May Beethoven and the Great Pumpkin forgive us.)

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Ave., Cambridge, Massachusetts 02139. Telephones: Area Code 617, 876-5855, and 864-6900, extension 2731. United States Mail subscription rates: \$4.25 for one year, \$8.00 for two years.

Front page photo of Eastgate by Steve Gretter



# Mrs. Murray outlines suits

(Continued from Page 1)

itude of the church which, she said, prepared one for death rather than life. Were the churches to devote their efforts and money to the problems of this life, she said, the cruel facts of existence today, such as poverty, would be greatly reduced. In contrast, atheism prepares one for life because the atheist realizes that no one can help man, save man himself.

## Church and State

In discussing her fight against the union of church and state, Mrs. Murray described her recent

suit which resulted in the Supreme Court decision outlawing prayer in public schools. She also described another suit currently in court which is intended to force churches to pay taxes. Such actions on her part, Mrs. Murray added, have resulted in "harassment" by church and governmental authorities.

In the question and answer period that followed Mrs. Murray's prepared remarks, a number of novel inquiries arose. Mrs. Murray was born into a Presbyterian family, but became an atheist at age 13, when she "woke up." When pressed about why she "awoke" at that age, she commented, "Some people attain maturity at different ages. I don't think LBJ is ever going to make it."

## Harvard experience

When questioned about her speech at Harvard the night before, Mrs. Murray said that she was never so poorly and discourteously received as she was

at Harvard. It was the only college speech in which she ever walked out on the audience and, in addition, "They didn't laugh at my jokes."

A coed asked what Mrs. Murray thought about pot for freshman girls. Mrs. Murray's reply was that she had tried pot recently and that it was "cool stuff." However, a girl shouldn't take pot until you're about 70" because a girl of college age "hasn't had enough experience to have anything to introspect about."

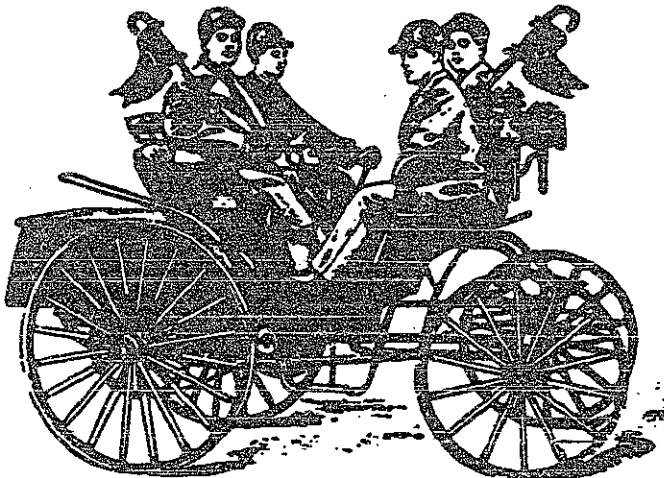
## Prof. Bowles to lecture on education, poverty

Professor Samuel Bowles of the Harvard Department of Economics will speak on the interrelationship between education, poverty and the distribution of income in the Viewpoint lecture Tuesday, at 12 noon in the East Lounge of the Student Center.

Prof. Bowles has written articles advocating the allocation of funds for investment in underdeveloped countries, and is now studying whether increased educational opportunities for the underprivileged will decrease income inequities in the United States.

## INVESTMENT

Direct from builders, choice loc. of Hyde Park, 8 apt. brick, \$20,000 down, income \$12,500 year, Price \$83,000, Total net \$3700 year. Will manage. An excellent retirement security. Call: ASHMONT REAL ESTATE TA 5-6727



## For college drop-ins: special weekend rate

Date driving up for the Big Bash? Old prep school roomie coming to case the campus? Brother mushing down from Dartmouth for the weekend? Sis jetting in for a Harvard Square Happening? Great! Put them up in style for only \$8.50 (single) per night on weekends, at the Cambridge Charter House. There's wonderful food in our Five Chateaux Restaurant and our Tivoli Coffee House. An intimate lounge. Free parking. Delightful atmosphere. And the town's most wonderful view of the Charles, Beacon Hill, and the Boston Skyline. All for only \$8.50 per night, student weekend rate. To enjoy this appealingly low rate, all your student guests have to do is show some form of college identification when registering. Really now, aren't you glad you're an undergrad — and can amaze your friends with our special offer?

## CAMBRIDGE CHARTER HOUSE

5 Cambridge Parkway, on the Charles between Longfellow Bridge and Science Museum  
HOTEL CORPORATION OF AMERICA

# College World

By Ed Chalfie

A recent wind storm in Corvallis, Oregon caused a power failure which in turn caused a raid on an Oregon State University girls dorm by an estimated 200 males. Accompanied by cries of "They're going to rape us!" the boys, armed with red flares and firecrackers, charged through Snell Hall. Most of the females weren't the least bit helpful to the invaders, but there were scattered incidents of girls opening locked doors, allowing the boys into the building. Some reactions from the girls: "It was groovy;" "They were like animals;" "I wish the lights would have stayed out longer;" "Better luck next time, boys."

## A night on the town

Have you ever started studying, while at the same time wishing that your evening were filled with more excitement than the usual academic fare provides? Two University of Minnesota students found themselves in this situation recently; they also found a remedy. Jeffery Young, a freshman, and Henry Neuman, a junior, left the campus at about 9 pm, determined to crash the Frank Sinatra-Milton Berle show at the St. Paul Auditorium. After some initial difficulty the pair proceeded to the auditorium. "We found one door that was open," Young said. "We went in, went down some stairs, then up some stairs, and ended up in the balcony." At this point Sinatra was on stage, so Young and Neuman hopped the balcony rail and walked to the front of the auditorium to get a better view. They sat near some Secret Service men who were guarding Vice President Humphrey, who was in the audience.

After the show the two went backstage and shook hands with Humphrey and Milton Berle. When they tried it again, they were

stopped by Secret Service men, so they picked up instrument cases and masqueraded as orchestra members. In this disguise the pair found their way down to the private garage where Sinatra's and Humphrey's limousines were waiting. In the garage the students got autographs from Sinatra, Berle, and Nancy Sinatra, Trini Lopez, and Humphrey.

## Sick hippies

According to Dr. Ellis D. Sox, city health director of San Francisco, college meals may take on new flavor this year. Many of the Haight-Ashbury hippies, some of whom will be taking jobs in college kitchens, have contracted hepatitis an dother "social diseases."

A student at the University of Minnesota has started a movement to promote "the image of gargoyles on campus." Mark Katz, a College of Liberal Arts sophomore, sits on the ledge of one of the college's buildings two hours a week. When people ask him what he's doing up there, he says, "I'm lying up here very comfortably. What are you doing down there?" That's a good question.

## Students needed to help coordinate Parents' Weekend

Positions are available for anybody who would like to work on Parents' Weekend Committee. Especially needed are students willing to serve as department coordinators—working with faculty members to organize projects and exhibitions for the weekend.

For further information, contact Al Harger '68, Parents' Weekend Committee chairman; Rick Lufkin '68, or Mike Ginzberg '69.

# SENIORS

## WHO HAVE NOT HAD THEIR SENIOR PORTRAITS TAKEN FOR TECHNIQUE

Come to Room 468, Student Center  
MONDAY - TUESDAY - WEDNESDAY  
OCT. 23-24-25  
9:00 A.M. - 5:00 P.M.

## LSC Presents MR. GEORGE PLIMPTON on

## "Amateurs vs. Pros"

WEDNESDAY, OCTOBER 25

Kresge

8:00 P.M.

## ADMISSION FREE

Edits Paris Review!  
Boxed Archie Moore!  
Wrote "Paper Lion!"  
Pitched in All-Star Game!  
Played tennis against Pancho Gonzales!



ROW

## Despite fiendish torture dynamic BIC Duo writes first time, every time!

BIC's rugged pair of stick pens wins again in unending war against ball-point skip, clog and smear. Despite horrible punishment by mad scientists, BIC still writes first time, every time. And no wonder. BIC's "Dyamite" Ball is the hardest metal made, encased in a solid brass nose cone. Will not skip, clog or smear no matter what devilish abuse is devised for them by sadistic students. Get the dynamic BIC Duo at your campus store now.

**BIC**  
WATERMAN-BIC PEN CORP.  
MILFORD, CONN.

BIC Medium Point 19c

BIC Fine Point 25c



## Paper criticizes curriculum, asks humanities distribution

(Continued from Page 1)

The report complains of the lack of a relevant distributional requirement. The humanities requirement, by requiring a field of concentration, does not allow such distribution, and the student is forced to take many of his requirements from his "free electives" time.

### Conclusions

The conclusion of the report states that MIT can no longer have a unified Institute-wide curriculum. It calls for a basic re-

assessment of the requirements as they apply to non-science majors.

The Course XVII Curriculum Committee received the paper last week and is presently acting upon it. A spokesman for the Committee said he felt the paper was well prepared, and has presented it to Professor Ithiel Pool, Head of the Department. Other copies have been sent by the writers themselves to the CEP (Committee on Educational Policy), and to President Howard Johnson.

## Presidential speech-writer named visiting professor

Richard N. Goodwin, speech-writer for Presidents John F. Kennedy and Lyndon Johnson, has been appointed Visiting Professor of Public Affairs for this academic year.

### Harvard Law School

Goodwin was born in Boston, and received his BA from Tufts in 1953, and his LLB from Harvard Law School in 1958. Upon graduation, he became law clerk for Supreme Court Justice Felix Frankfurter and was special consultant for the House Subcommittee on Legislative Oversight, which exposed the rigging of television quiz shows.

Also in 1959, Mr. Goodwin joined the staff of Senator John F. Kennedy and served as one of his major speech writers during the

presidential campaign. He was named Assistant Special Counsel to President Kennedy in 1961, and Deputy Assistant Secretary of State for Inter-American Affairs in 1962. He was chosen Secretary General of the International Secretariat of the Peace Corps in 1963 and served President Johnson as a special aide until his resignation in 1965 to accept a job at Wesleyan University.

### STUDENTS

National Entertainment Agency needs on-campus representatives to sell both local and international bands for college functions. Commission basis. Call: Mr. Waldman, 542-0434

## Ambassador visits

# Dobrynin tours Apollo labs

Dr. Jerome Wiesner, Provost and Institute Professor, hosted his old friend, Soviet Ambassador Anatole Dobrynin, at his home Sunday evening. The friendship developed during Dr. Wiesner's stay in Washington, D.C., as science adviser to President Kennedy.

### Reception

The reception was held in honor of Professor Richard Goodwin, who was recently selected as a visiting professor in the Department of Political Science. Guests included President Howard Johnson; Professor Edwin Kuhs, Department of Economics; and Professor Leonard J. Fein, Department of Political Science.

Ambassador Dobrynin came to

Boston for the opening of an exposition on Soviet education at Boston College as part of the cultural exchange program. The exhibit, which will tour the United States in two weeks, displays 2100 educational tools.

Dobrynin met with Dr. Wiesner; Professor Raymond Bisplinghoff, Head of the Department of Aeronautics and Astronautics; Dr. Robert Alberty, Dean of the School of Science; Dr. Charles Stark Draper, Institute Professor and Head of the Instrumentation Laboratories; Professor Robert Bishop, Dean of the School of Hu-

manities; and several other faculty members Monday.

Later, Dobrynin departed with some of the group to tour the Instrumentation Laboratories, where he received a short briefing on the Apollo guidance and navigation system.

### Project MAC

Next on his schedule was a visit of Project MAC before luncheon at the Harvard University Faculty Club with professors from MIT and Harvard. Following the luncheon, he opened the position at Boston College at 4 p.m. and then returned to Washington, D.C.

### FOR SALE

Polaroid Color-pack Model 180 with case, flash, filters. Polaroid's finest, f/4.5 lens stops to f/90, shutter to 1/500. Must see to appreciate. Includes 3 months guarantee. Value \$250, will sacrifice at \$165 for quick sale. Also: Ikonex Twin-lens reflex, f/3.5 to f/16, shutter 1 to 1/300. Used by professional. \$35 or best offer cash or trade. Call Don Estes, East Campus, dl-0124, or write P.O. Box 184, M.I.T. Branch Post Office



Tech Coop Optical

NEXT TO CUSTOMER SERVICE IN BOOK DEPARTMENT  
Sunglasses, tailored to your prescription in the finest of Bausch and Lomb and American optical lenses.  
Quality and Service is Our Byword — Patronage Refund  
Ophthalmologists' prescriptions are filled promptly—accurately.  
Excellent selection of frames for Men, Women, Children.  
Office Hours: Monday - Friday, 8:30 to 5:30 — Lunch 2-3 (Closed)  
Saturday, 9:30 to 1:00  
Phone 491-4230, Ext. 50 or from MIT dial 8950

THE TECH COOP  
IN THE M.I.T. STUDENT CENTER

64 Massachusetts Avenue, Cambridge, Mass. 02139



Depends on the giant. Actually, some giants are just regular kinds of guys. Except bigger.

And that can be an advantage.

How? Well, take Ford Motor Company. We're a giant in an exciting and vital business. We tackle big problems. Needing big solutions. Better ideas. And that's where you come in. Because it all adds up to a real opportunity for young engineering graduates like yourself at Ford Motor Company.

Come to work for us and you'll be a member of a select College Graduate Program. As a member of this program, you won't be just another "trainee" playing around with "make work" assignments.

You'll handle important projects that you'll frequently follow from concept to production. Projects vital to Ford. And you'll bear a heavy degree of responsibility for their success.

You may handle as many as 3 different assignments in your first two years. Tackle diverse problems. Like figuring how high a lobe on a cam should be in order to yield a certain compression ratio. How to stop cab vibration in semi-trailer trucks. How to control exhaust emission.

Soon you'll start thinking like a giant. You'll grow bigger because you've got more going for you.

A network of computers to put confusing facts and figures into perspective.

Complete testing facilities to prove out better ideas.

And at Ford Motor Company, your better ideas won't get axed because of a lack of funds. (A giant doesn't carry a midget's wallet, you know.)

Special programs. Diverse meaningful assignments. Full responsibility. The opportunity to follow through. The best facilities. The funds to do a job right. No wonder 87% of the engineers who start with Ford are here 10 years later.

If you're an engineer with better ideas, and you'd like to do your engineering with the top men in the field, see the man from Ford when he visits your campus. Or send your resume to Ford Motor Company, College Recruiting Department.

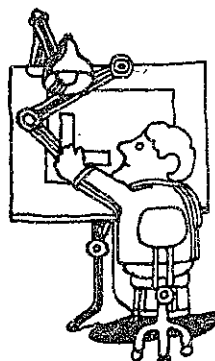
You and Ford can grow bigger together.



THE AMERICAN ROAD, DEARBORN, MICHIGAN  
AN EQUAL OPPORTUNITY EMPLOYER.

# What's it like to engineer for a giant?

Rather enlarging!



OF HOW  
YOU'LL LOVE  
TO GET UP  
IN THE  
MORNING

CARL DE SUZE

Turns you on

6-9:30 A.M. DAILY  
7-9:30 A.M. SUNDAY

WBZ RADIO GROUP  
103  
WESTINGHOUSE BROADCASTING COMPANY

# CAE program trains 16

Experienced engineers and applied scientists from industry and government, who have been out of school for several years, are back in classrooms at MIT catching up on technology developed since their own student engineering such as solid state physics and time-shared computers were little known or taught a decade or two ago.

Magnificent BERKSHIRE estate. 10 rm. white brick Colonial circa 1800 in excellent condition. 195 acres ideal for all types of recreation. Horse stable, brook, pond, workshop, 3-car garage, flagstone patio, beautiful rolling lawns, lovely gardens and distant view of Mt. Everett. \$95,000. THE PILLARS REALTY, Mrs. Massini, Broker, Rt. 7A, Sheffield, Mass. Phone 413-229-8498.

The 16 men are 1967-68 Fellows of the Advanced Study Program at the MIT Center for Advanced Engineering Study. The Advanced Study Program is one of several activities the Center conducts to help engineers and scientists deal with new and rapidly advancing technology. Its purpose is to explore and develop techniques for the continued education of professional engineers. Many areas now vital in

Companies and organizations nominate key men for the program at MIT. Those selected typically spend two semesters at the Institute.

Center director Professor Harold S. Mickley says technological lag can be devastating to a particular industry.

## What happens when a new engineering grad joins Pan Am at Cape Kennedy?

### Ask our aerospace career specialist.

He'll be on your campus soon. He'll tell you how fast you can go professionally with the company that manages the entire engineering and operation of the Air Force instrumentation complex along the 10,000 mile length of the Eastern Test Range. About the advanced engineering work you'll be doing with a can-do team that has already supported the launching of more than 2000 missiles and spacecraft. About how our educational policy works for your professional development. About our fine salary and benefit structure. And any other information you'll need to make a meaningful decision.

So get your questions ready. We think you'll like our answers.

### CAMPUS INTERVIEWS-

WEDNESDAY, OCTOBER 25

See Your Placement Director Now and Arrange an Interview.



### GUIDED MISSILES RANGE DIVISION

PAN AMERICAN WORLD AIRWAYS, INC.  
750 S. ORLANDO AVENUE, COCOA BEACH, FLORIDA  
An Equal Opportunity Employer (M/F)

## Boit finalists, Roethke featured in new Tangent

By Paul Kantner

The current issue of Tangent (dated Spring 1967) is easily the most worthwhile recent number of that magazine. Consisting mostly of prose and poetry which reached the finalist stage of MIT's Boit Literary Competition, this volume has none of the amateurishness that could have crept in. The one major flaw is again the self-consciousness of the writing — artiness as opposed to artfulness. Most of the contributors' minds are on the artifice of the piece rather than the experience.

### Highlights of students' works

The longest and most involved piece is Robert Sultan's 'To Karyn,' the only prose in the issue. There is unnatural use of symbols

('The Big Picture' and Mickey Mantle being the most offensive instances), but on the whole this is a sharp picture of the growing-up process.

The two poems by Michael Harris are easily the best. 'Colours of California' reflects infinite beauty, both visual and spiritual: 'Fear' touches with fine delicacy the haunt of death. Peter Rittner's 'Bottle in Lot' is another outstanding item.

### Poems by Roethke

In addition to undergraduate contributions, five poems by professional Theodore Roethke are presented. Although these nature poems must be considered the outstanding works here, it is really unfair to compare them with amateur efforts. Tangent should be the MIT literary magazine, excluding works of outside sources. The announced intent to continue to include the poems of professionals is to be regretted, despite the obvious quality thus obtained. MIT's own writers show enough promise to fill future issues by themselves.

**SCUBA DIVING CLASSES**  
Coed — Boston YMCA  
KE 6-7940

from SPACE PROBES to STEREOs  
from RE-ENTRY to ULTRAMINIATURIZATION  
from EDUCATION to EXPERIMENTATION



## PHILCO-FORD IS INVOLVED WITH MANKIND. Want To Help the World?

Philco-Ford is interested in just about everything that interests mankind: from manufacturing to education . . . from outer space talking to underwater walking . . . from anti-weapons systems to home entertainment systems. We have the experience, the capabilities . . . the growth record . . . and the resources to offer you both challenges and rewards.

We would like to have a talk with you — to explain our company and to get to know you better. Stop by and see us. Or write to College Relations, Philco-Ford Corporation, C & Tioga Streets, Philadelphia, Pa. 19134.

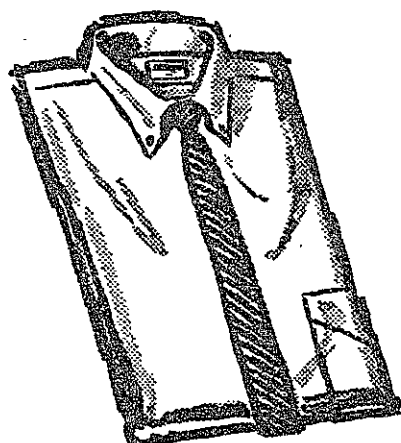
PHILCO-FORD WILL BE HERE ON OCTOBER 23-25

Career opportunities are available on the East Coast, in the Midwest, the Southwest, on the West Coast, and throughout the world.

DIVISIONS: Aeronutronic • Appliance • Communications & Electronics • Consumer Electronics • Education and Technical Services • International • Lansdale • Microelectronics • Sales & Distribution • Space & Re-entry • Western Development Laboratories.



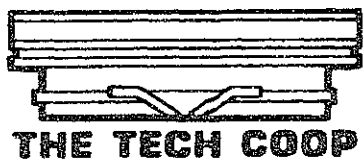
PHILCO-FORD CORPORATION  
An Equal Opportunity Employer



### MEDAL OF HONOR

Top honors go to the Arrow "Gordon Dover Club," classically styled in comfortable cotton Oxford. Button-down collar is softly rolled for a newer, neater but casual look. Trim placket front, and plait in back are all in the best tradition. Come in and see the whole collection now. In white or plain colors.

\$5.00



THE TECH COOP  
IN THE M.I.T. STUDENT CENTER

80 Massachusetts Avenue, Cambridge, Mass. 02139

### Regular Hours:

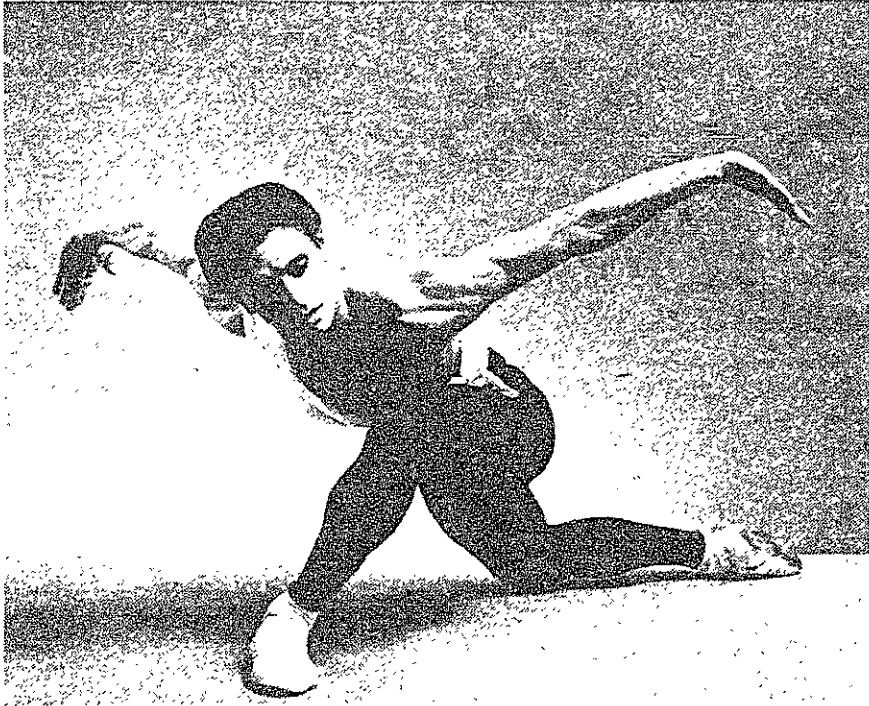
8:50 - 5:30 PM, Mon. - Fri. / Sat. 9:20 - 6 PM

Free Parking . . . On Saturdays at 3 spacious Parking areas adjacent to the Student Center.



**'Apollo' performed**

# Villella, McBride share ballet lead



Edward Villella, lead dancer of the New York City Ballet Company, is seen in 'Apollo' by Igor Stravinsky.

(Continued from Page 1)  
dependently in tandem with the company's acrobatic male virtuoso, Edward Villella.  
Mr. Villella, who joined the New York City Ballet Company in 1956, rapidly rose to become its leading dancer. Strong intelligence, phenomenal physical ability, musical and emotional sensitivity as delicate as antennae are the attributes Villella has nourished in his gradual perception of what dancing is about. For him, dancing is ballet. "Let me try to explain how it is in my case," said Villella slowly, "There has never been anything that I liked to do better than dance. That is to say: dancing for joy. I know exactly what that means! I am only half alive when I am not dancing; I am fully alive only when I dance."

## Talking Rock

By Steve Grant

Recently the Left Banke headlined a concert-mixer in Rockwell cage. Despite unfortunate circumstances they staged an entertaining concert, dividing fifteen numbers between two sets. Technical difficulties with the PA system, however, hampered their performance. Between sets I talked to the four touring members of the group.

**Early history**  
The Left Banke originally consisted of five members: pianist and songwriter Mike Brown, vocalist Steve Martin, guitarist Rick Brand, bassist Tom Finn, and drummer George Cameron. They came out with two big singles in "Walk Away Renee" and "Pretty Ballerina," which hit 8 and 15 respectively on Billboard. Their first album, which reached 67, expanded on their basic Baroque sound. They toured with manager Harry Lookofsky often serving as one of the backup violinists. Then Brown decided not to tour any more, and his place was taken by Emmett Lake at touring pianist, although Brown continued to write and produce for the group as well as play in recording sessions.

**Two Left Bankes?**  
Next Lookofsky, who as manager held the contract, and Brown completely split away from the others, forming a new group which they called the Left Banke. Their "Ivy, Ivy," written and produced by Brown, only made it to 119 nationally. The other four original members sued Lookofsky to the hilt. While this was happening, "She May Call You Up Tonight" was released by the original group (it had been recorded before Brown left); it flopped completely. Then the suit was decided against Lookofsky, and Brown rejoined the group. Emmett Lake is now out for good, and the members don't want another pianist on tour. Brown still doesn't tour, although he did write and produce "Desiree."

iree," and he still records with them. The group now has another guitarist in Steve Martin instead of a pianist. This gives a peculiar sound to such songs as "Pretty Ballerina," which were originally recorded with piano and heavy string backup. Of course, it makes other songs which they didn't write sound more normal.

**Individual abilities**  
Their "A Day in the Life" has a beautiful crescendo for such simple instrumentation — guitarist Brand pulls this off well. He also shines on "What Do You Know," a country and western number, with some fine twangy picking. He can't approximate the virtues of piano and properly tries to inject his own style into the music, rather than Brown's. Yet he is probably the weakest member of the group. Martin, although a negligible talent on guitar, is a beautifully smooth vocalist, (Bronx accent, nasal tone and all) who is perfectly suited to Mike Brown's songs. It is Brown himself, however, who sets the group apart. His songs aren't at all musically sophisticated; their sole redeeming virtue is their intrinsic beauty.

**New single**  
"Desiree" is the group's first single since "Pretty Ballerina" that hasn't had significant handcaps from the front office. A slight departure from their former style, more rocking than their previous singles, it will probably not reach, say, the national top ten, but it should return to the group a semblance of the prominence they used to enjoy.

### Concert features area rock groups at Jordan Hall

The First Boston Rock Concert has been booked into Jordan Hall, Boston on October 27. Thus named, the concert presents three Boston-based groups—the Barbarians, the Hallucinations, and The Cloud. The show is billed as the surfacing of the underground music scene in our town. Tickets priced at \$3.50, \$2.50, and \$1.50 are on sale at the Jordan Hall Box Office, Jacks Drum Shop, Krackerjacks at 1166 Mass. Ave., Camb., and El Diablo Mexican Restaurant at 7A Mt. Auburn St., Camb.

**HARVARD SO** WM 4-4589 OSCO

Jack Lemmon-Elaine May  
in "LUV"  
3:05, 6:25, 9:55  
plus  
"GEORGY GIRL"  
1:30, 4:40, 8:10

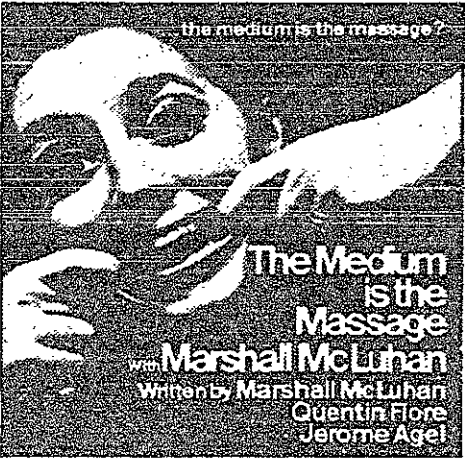
**BRATTLE SO** TR 6-4228 OSCO

Friday and Saturday  
"BLACK ORPHEUS"  
Sunday and Monday  
The Marx Brothers in  
"A NIGHT AT THE  
OPERA"  
Shows daily 5:30, 7:30,  
9:30  
Matinees Sat. and Sun.  
at 3:30

### The Great Pumpkin Is Coming

## SOUND AFFECTS

And electronics, the medium of our time, is reshaping our lives. So says Marshall McLuhan in his eye-stopping, best-selling book.



The Medium is the Message is now an album, too. One of the zaniest, zenniest, outrageously cleverest on record. Get the message.

IN BANTAM BOOKS & ON COLUMBIA RECORDS

LSC and the Department of Humanities present:

# APOLLO

a ballet by IGOR STRAVINSKY  
and GEORGE BALANCHINE

Starring EDWARD VILLELLA and PATRICIA McBRIDE  
of the New York City Ballet

Friday, October 27 — Saturday, October 28

Kresge Auditorium

8:30 P.M.

Tickets Available Today in Lobby of Building 10

FREE





# Recital Stresses Latin America

By Orville Dodson

MIT's classical music season opened last Monday evening with a fine piano recital by Elias Lopez. He stressed contemporary material, particularly that of Latin American composers. Mr. Lopez himself proved to be a highly skilled performer, one with very good understanding of his material but with a tendency towards exaggeration.

The program opened with "5 Epilist, and William Constable, cello by Sergio Cervetti. This music, written in 1965, was fairly experimental. It dealt in changing moods and patterns of tones, all the while utilizing unusual effects from all three instruments. Coordination was excellent between Mr. Lopez, Miss Erica Miner, violinist. This coordination and technical mastery of the musicians was largely responsible for the success of this difficult work.

## Copland Sonata Excellent

Aaron Copland's Sonata for Piano followed and highlighted the evening. Here Mr. Lopez could let loose all the power and contrasts he desired. This sonata, unlike many of Copland's more popular works, is very un-melodic. It is built from several short, rhythmic motifs and stresses structure, particularly the first movement. Mr. Lopez's performance was spectacular, yet not superficial. He seemed to solidly know the piece and injected into it plenty of his own interpretation which meant quick tempos and dramatic contrasts.

The first half of the program closed with the brief "Tema y 6 Diferencias" by Rafael Aponle, a Puerto Rican composer. This piece, written in 1963, seemed to use a very narrow range of variation and did not fit together very tightly. However, it was performed well and energetically.

The remainder of the program was much more familiar to the audience. It opened with an early work of Robert Schumann — his Fantasia Op. 17. In this piece Mr. Lopez's style clashed with the music he performed. The second part of the Fantasia, although marked to be played "angrily" was too fragmented. There really

is a plan to this part but abrupt transitions and exaggerated climaxes can certainly conceal it. The closing quiet portion of the first section in the Fantasia was beautifully performed; however the third section—entirely quiet and dream-like—failed to come across. Mr. Lopez's interpretation seemed, strangely enough, to be too static.

He came close but didn't really achieve the gentle, flowing mood necessary here. Two preludes "La Puerta del Vino" and "Feux d'Artifice" by Debussy closed the concert. I was quite impressed here at the strength of both the music and the performer and am sorry that these pieces were not more enthusiastically received.

## Books

### Williams of Texas writes of inborn characteristics

Dr. Roger J. Williams, Professor of Biochemistry at the University of Texas and director of the Clayton Foundation at Texas, where more vitamins and their variants have been discovered than in any laboratory in the world, is the author of a forthcoming book from Random House, "You Are Extraordinary." Williams writes: "There is now abundant evidence that on our arrival as newborn babes each of us brings along a host of highly distinguished inborn characteristics . . . we as individuals cannot be averaged with other people. Inborn individuality is a highly significant factor in all our lives as inescapable as the fact that we are human."

Individual biochemical differences are examined from the hereditary, present-at birth viewpoint. What such differences—from sex, exercise and sleep, through psychology, psychiatry, philosophy and religion—mean in everyday living are explained.

## Chamber Music

### M.I.T. Humanities Series '67-'68 Opens

MIT's "Humanities Series" opens on Sunday, Oct. 29 at 3 pm with the first of five chamber music concerts by prominent European groups. This year's series is unusual in its variety. The first concert features the Zagreb Pro-Arte String Quartet in contemporary Slavic works. On November 26, Swiss tenor Ernst Haeflinger, accompanied by pianist Paul Ulanowsky, will sing lieder by Schubert and Wolf. Mr. Haeflinger is internationally famous for his interpretation of Schubert and has sung with most major American symphony orchestras. January 14 will bring the Zurich Chamber Octet to Kresge for a performance of Schubert's Octet. The next concert in the series will present the Chigiano String Sextet of Siena. They plan to perform sextets by Brahms, Schoenberg, and Boccherini. To close the series, the Hungarian Quartet, famous for its recordings of the complete Beethoven and Bartok quartets, will present a Beethoven-Bartok program on March 3. All five concerts will be in Kresge. The series tickets are \$10 and are available at Kresge Auditorium or by calling UN 4-6900, Ext. 2910. Single tickets will be sold at \$3.

## Movies & Theatres

### Movies

Astor — "Reflections in a Golden Eye," Daily: 10, 12, 2, 4, 6, 8, 10, Sun.: 1:30, 3:30, 5:30, 7:30, 9:30.  
Beacon Hill — "Becket," Daily: 9, 11:30, 2, 4:30, 7:05, 9:40, Sun.: 1:30, 4:10, 6:50, 9:30.  
Brattle — "Black Orpheus," Sun.: 22-Mon.: 23, "A Night At the Opera," Sun.: 3:30, Daily: 7:30, 9:30.  
Charles Cinema — "Bonnie and Clyde," Daily: 2, 4, 6, 8, 10.  
Cheri I — "The Tiger Makes Out," Daily: 10, 11:50, 1:50, 3:50, 5:50, 7:50, 9:50, Sun.: 1:30, 3:30, 5:30, 7:30, 9:30.  
Cheri II — "To Sir, With Love," Daily: 10, 12, 2, 4, 6, 8, 10, Sun.: 1:40, 3:40, 5:40, 7:40, 9:40.  
Cheri III — "Don't Look Back," Sun.-Thurs.: 1, 2:30, 4:15, 6, 7:45, 9:30, Fri. & Sat.: 1, 2:30, 4, 5:30, 7:15, 9:00, 10:40.  
Cinema Kenmore Square — "King of Hearts,"

Circle — "Thoroughly Modern Millie," Daily: 2, 8:30, Reserved seat engagement.  
Esquire — "The Chelsea Girls," Daily: 8, Sun.: 2:30.  
Exeter — "The Jokers," 1:45, 3:40, 5:40, 7:40, 9:40.  
Fine Arts — Thru Sat.: "Good Soldier Schweik," & "Felix Krull," Sun.-Tues.: "8½" & "La Dolce Vita."  
Fresh Pond Cinema — "The Sound of Music," 1:30, 5, 8:30.  
Gary — "Gone With the Wind," Mon., Tues., Thurs., Fri.: 8, Wed. & Sat.: 2 & 8, Sun.: 2 & 7:30, Reserved seat engagement.  
Harvard Square — "Luv," 3:05, 6:25, 9:55, "Georgy Girl," 1:30, 4:40, 8:10.  
Music Hall — "In the Heat of the Night," Daily: 10, 12, 2, 4, 6, 8, 10, Sun.: 1:30, 3:30, 5:30, 7:30, 9:30.  
Paris Cinema — "The Family Way," Daily: 2, 4, 6, 8, 10.

## LSC presents

THE WILDEST COMEDY OF THE YEAR!

**WOODY ALLEN STRIKES BACK** **WOODY ALLEN'S what's up tiger Lily?** **in COLOR**

SEE and HEAR! THE LOEN SPOONIES NEW HIT "POW"

©1966 American International Pictures

FRIDAY OCT. 20 26-100  
7 & 9:30

some people will do anything for \$249,000.92

THE MIRISCH CORPORATION Presents

**JACK LEMMON**  
**WALTER MATTHAU**  
in **BILLY WILDER'S**  
**THE FORTUNE COOKIE**

THEATRE PANAVISION released thru UNITED ARTISTS

SATURDAY OCT. 21 26-100  
4:30, 7:00 & 9:30

SUNDAY  
W. C. FIELDS & MAE WEST  
in

## "My Little Chickadee"

8:00 No MIT ID required 10-250

**JOIN CONOCO ...let the world see you!**

**CONOCO**

OPPORTUNITIES ALL DEGREES  
PETROLEUM — CHEMICALS  
COAL-PLANT FOODS

SEE YOUR  
PLACEMENT OFFICER TODAY

INTERVIEWS  
November 1

See your Placement Office now and arrange an interview with us. If you're unable to see our recruiter and want some additional information let us know. Send your resume and a brief note detailing the kind of work you find particularly appealing along with your geographical preference to: Recruiting Administrator, Dept. CNP

**CONTINENTAL OIL COMPANY**  
P.O. Box 2197 Houston, Texas 77001

An Equal Opportunity Plans for Progress Company

Impulse Records Presents

**The Kennedy Dream**

An inspired musical tribute.  
The voice of John F. Kennedy.  
The music of Oliver Nelson.

**impulse!** **abc** RECORDS

A PRODUCT OF ABC RECORDS, INC.  
A SUBSIDIARY OF AMERICAN BROADCASTING COMPANIES, INC.



## UF aids children

# United Fund campaign seeks \$139,000 at MIT

The United Fund campaign for 1967-68 began at MIT this week. Professor Richard H. Frazier, Professor Emeritus, Electrical Engineering, is campaign chairman this year, and urges all members of the community to respond generously to requests for individual contributions and assistance in the solicitation effort.

### The goal is set

The goal this year is \$139,000, an 8.6 percent increase from last year. This reflects the greater needs of the 340 social and welfare agencies represented in the United Fund drive.

Money collected in the MIT drive is turned over to the Massachusetts Bay United Fund, which helps to support service agencies in the 64 cities and towns in the Massachusetts Bay area. Last year more than eight hundred thousand people benefited from the services that these agencies offer.

### Contributions rise 37%

Since the Institute joined the United Fund Chapter Plan ten years ago, the MIT contribution has risen nearly 37 percent, but the population of the MIT community has increased more than 50 percent, and the cost of living has gone up 13 percent.

Many United Fund agencies are concerned with the health and welfare of children, and United Fund dollars go to such organizations as the Charles River Association for Retarded Children, and the New England Home for Little Wanderers.

### Big Brothers, Sisters

The Big Brother and Big Sister organizations also receive United

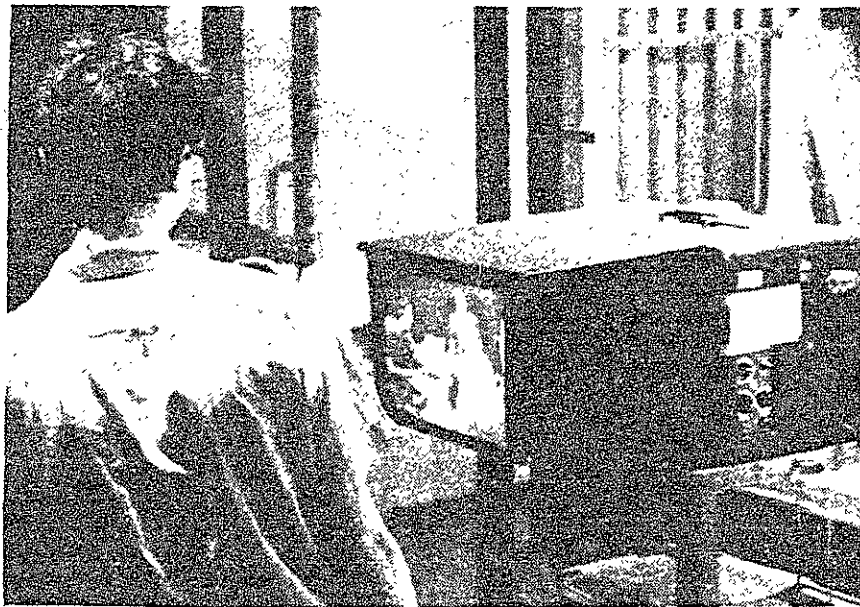


Photo by Dave Simanski  
The portable movie projector and screen set up in the lobby of Building 10 is being used to publicize the United Fund Drive in the Boston area.

Fund aid. Being a big brother or big sister entails spending several hours a week with a youngster, doing things that open wider vistas to him, and helping him develop into a self-reliant person.

One of the major problems the MBUF has at MIT is that of getting its contribution cards re-

turned. For this reason there is no way to make an accurate estimate of how broad a base the United Fund has at MIT. The United Fund committee asks that everyone, even if he is unable to contribute, return the card so that an accurate figure can be computed.

Applications for National Science Foundation fellowships are available. Seniors planning to apply for such aid should obtain applications in the Graduate School Office (1-136).

## Electronic music lecture Thursday with Dr. Winckel

Dr. Fritz Winckel, Visiting Ford Professor in the Department of Humanities at MIT, will give a lecture on the "Structural Comparison of Music and Speech" in the Hayden Library Lounge on October 26, at 4 p.m. This is his second in a series of four lectures on experimental music, with the subsequent ones on November 2 (Psychoacoustical Problems in Recent Music); and November 9 (The Composition and Performance of Experimental Music).

Dr. Winckel is the founder and director of the Electronic Center for Experimental Music at the Technische Universität, Berlin. The Center, which was founded twenty years ago, is concerned with the study of the structural analysis of speech and music.

All of the lectures are free and open to the public.

### Christmas in California

- ★ Spend your vacation in California this year
- ★ Board a Non-Stop Jet
- ★ 2 bags free plus carry on
- ★ Return any time\*
- ★ Save \$80 over regular air fare (\$200.00 up & tax)

Call PARKER TRAVEL BUREAU  
(opp. BU) 708 Comm. Ave.  
566-4087 • CO 6-0210

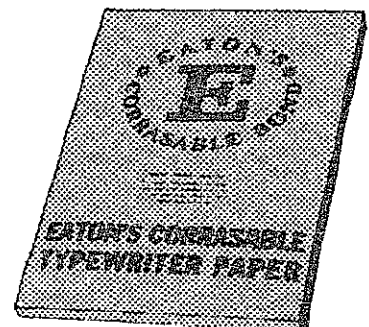
NOW—Reservations are limited so reserve your seat now  
\*min. stay 10 days

Anyone can

# GOOF.

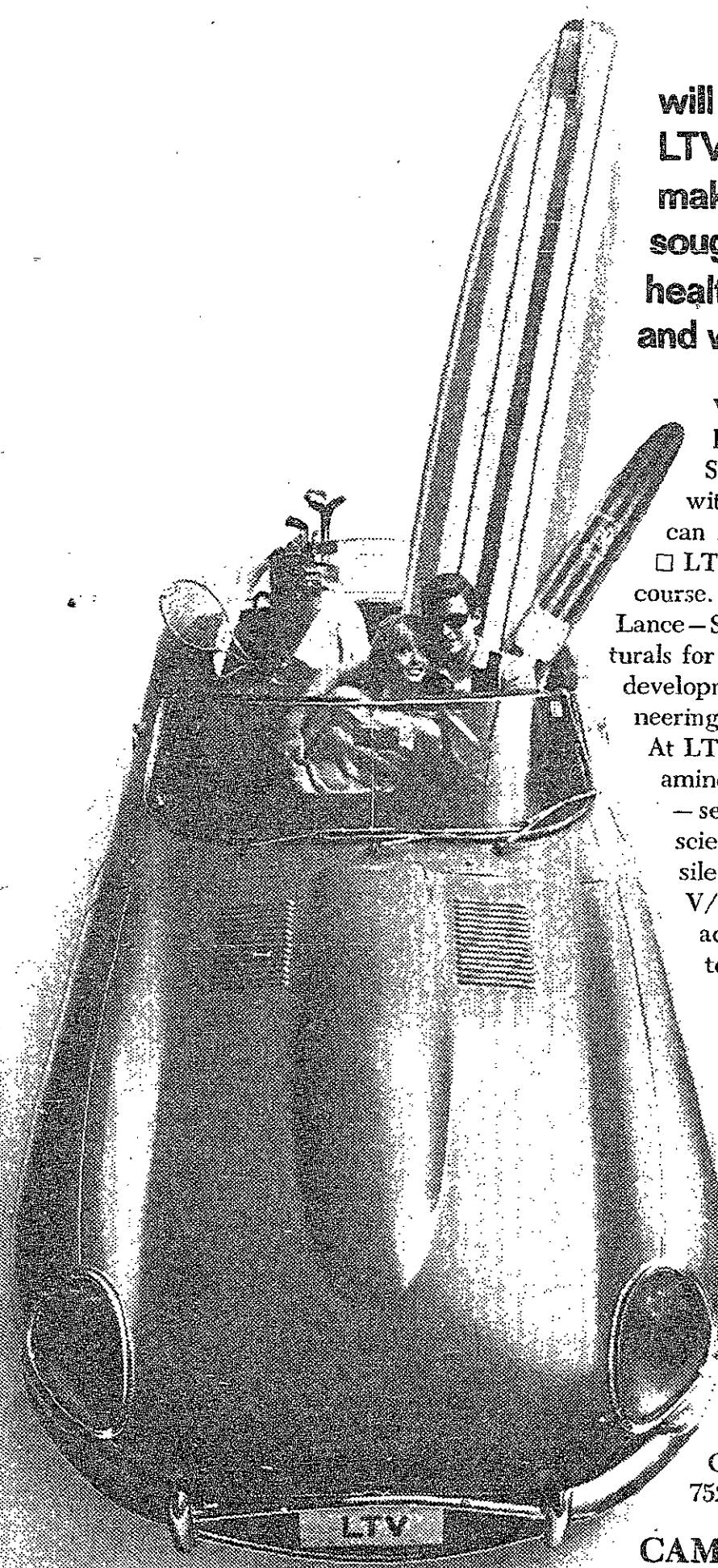
With Eaton's Corrasable Bond Typewriter Paper, you can erase that goof without a trace.

Not a telltale smudge remains. A special surface permits quick and easy erasing with an ordinary pencil eraser. For perfect papers every time, get Corrasable. In light, medium, heavy weights and Onion Skin. In handy 100-sheet packets and 500-sheet ream boxes. At Stationery Departments.



Only Eaton makes Corrasable®

EATON PAPER CORPORATION, PITTSFIELD, MASSACHUSETTS



will a job with  
LTV Aerospace  
make you more exciting,  
sought after,  
healthy, wealthy  
and wise?

Why shouldn't you enjoy the good things of life when you're out to conquer the universe? Sound far fetched? It's not. □ Your first job with LTV Aerospace sets you on a path that can lead you almost anywhere you want to go. □ LTV Aerospace Corporation makes products, of course. □ The A-7—F-8—Gama Goat—MACV—Lance—Sea Lance—Scout—prime subcontract structural for the 747 and the SST. That's a few. Design, development and production require systems engineering with enormously diversified capabilities. □ At LTV Aerospace those capabilities are being examined in terms of the total environmental picture — sea, land, air, space and outer space — in ocean sciences — high mobility ground vehicles — missile systems — military and commercial aircraft, V/STOL — launch vehicles — extra vehicular activity research and development. These are today's spheres of action at LTV Aerospace. They are the frontiers of tomorrow. □ A representative of LTV Aerospace Corporation will visit your campus soon. Talk to him. Talk specifics about programs, assignments, duties, salaries. Then, talk futures. Ask questions about where your first job can take you. □ He'll have answers for you, and they won't be vague generalities. He'll show you where LTV Aerospace Corporation is heading in the total environmental adventure, and how you fit in. □ You could find yourself getting pretty excited about it. And that's a darned good way to feel about your first job. College Relations Office, LTV Aerospace Corporation, P. O. Box 5907, Dallas, Texas 75222. An equal opportunity employer.

## CAMPUS INTERVIEWS

November 3, 1967

**LTV AEROSPACE CORPORATION**  
A SUBSIDIARY OF LING-TENCO-VOUGHT, INC. DALLAS  
MISSILES AND SPACE DIVISION • VOUGHT AERONAUTICS DIVISION • KENTRON HAWAII, LTD. • RANGE SYSTEMS DIVISION



# Opinion on Vietnam to be polled in upcoming GSC referendum

By Dean Rolier

The Graduate Student Council will take a referendum next week among graduate students to determine the feeling of the student body on the Vietnam war. The poll will be distributed in the first issue of The Catalyst, the GSC newsletter.

Last Spring the Graduate Student Council passed a resolution condemning the United States' involvement in the Vietnam war. This statement called for the im-

mediate cessation of the United States' bombing of North Vietnam, the recognition of the National Liberation Front as an independent negotiating party, and the recognition of the 1954 Geneva Accords as the basis for a peace settlement. A section attached to the resolution called for a poll of the graduate student body on the Vietnam question the following fall. The results were to be published before October 31, 1967 but an amendment passed in early October extended the deadline for the release of the poll results to

November 30, to allow greater publicity to the graduate student body.

The questionnaire consists of 14 questions, one of the first of which asks whether national political issues should be within the province of the Graduate Student Council. The remaining questions in the first part include such standards as (a) Do you believe the United States should have become involved in Vietnam? (b) Do you feel that Vietnam is primarily a military problem? and (c) Do you feel that our present military policy has been effective?

The remaining section of the poll consists of eight multiple choice questions on similar topics. Topics here question the possibilities of escalation vs. de-escalation, reasons for opposition to the war, the extent to which the Administration has been honest in reporting the progress of the war, and reaction to the domestic protest against the war.

## Shower night comes again; Freshmen become 'all wet'



Photo by Bill Ingram

And another freshman goes into the showers on Burton fifth. Traditionally in the dorms, freshmen are showered on the evening before their first quiz. Even moonlight dips in the Charles are not unknown in difficult cases. The fun is generally calculated to relieve the tension that one's first night of serious tooling might bring.

**McClean's Moving and Storage**  
Coast-to-Coast Moving  
24-Hour Service to New York,  
New Jersey and Pennsylvania  
Phone 522-8720

Foreign Opportunities Committee will hold a meeting for all students interested in the Crossroads Africa Program. The meeting is scheduled for 4:30 pm Tuesday in Room 491 of the Student Center.

**How to be a nice guy and an all-around good sport.**

Drink Carlsberg  
—the mellow,  
flavorful beer  
of Copenhagen.



The Student Furniture Exchange, 25 Windsor Street, Cambridge, operated by the Tech Matrons as a service to MIT students and short term appointees, is open on Tuesdays and Thursdays from 10 am to 3 pm.

All Makes — Large Variety  
**SQUASH RACQUETS**  
**Tennis & Squash Shop**  
67A Mt. Auburn St., Cambridge  
(Opp. Lowell House)  
TR 6-5417



**NEW ENGLAND SPORTS CARS**  
Used Cars of Every Description

A. CELANI

324-9000

16-17 CHARLES ST.  
MALDEN MASS.

## Tech Bridge Club lists winners, announces games

Tech's Bridge Club recently held a Full Master Point game, for which the results have been released. North-South winners were: 1. John Lindsay '68 and Mark Thompson; 2. Alan Dewulf and Mark Oshin '71; and 3. Norm Umer and Mary Bright.

East-West winners were: 1. Bill Horton '68 and Tim Lundeen '70; 2. Fred Ciaramaglia and Arthur Liederman; and 3. Peter Connor and Emmett Keeler.

Future events for the club include the individual club championships to be held this weekend, and the Intramural bridge tournament. Favorites in the latter include Burton "A", last year's champion, and Math. "A", last year's runner-up. For further information on entering the tournament, call Jeff Passel at 868-4978.

There will be a track meet Friday, October 27 and Monday, October 30 which will be open to all students. For further information on entering any events, contact coach Art Farnham in duPont.

## What's it like to work for a giant?

Depends on the giant. If the giant happens to be Ford Motor Company, it can be a distinct advantage. See your placement director and make an appointment to see the man from Ford when he visits your campus. We could grow bigger together.

DATES OF VISITATION.

November 2, 3

I'd like a big job please.



**When in the course of human events it becomes necessary to hold up your pants**

...break away from the tyranny of the dull belt. Fife and Drum traditional belts come in a spirited assortment of colors, leathers and buckles. Some with matching billfolds, keycases and pocket secretaries.

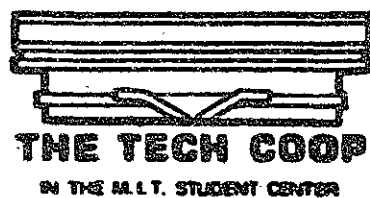
Now is the time to declare your independence from the commonplace with Fife and Drum.

A look that's part of the American grain.

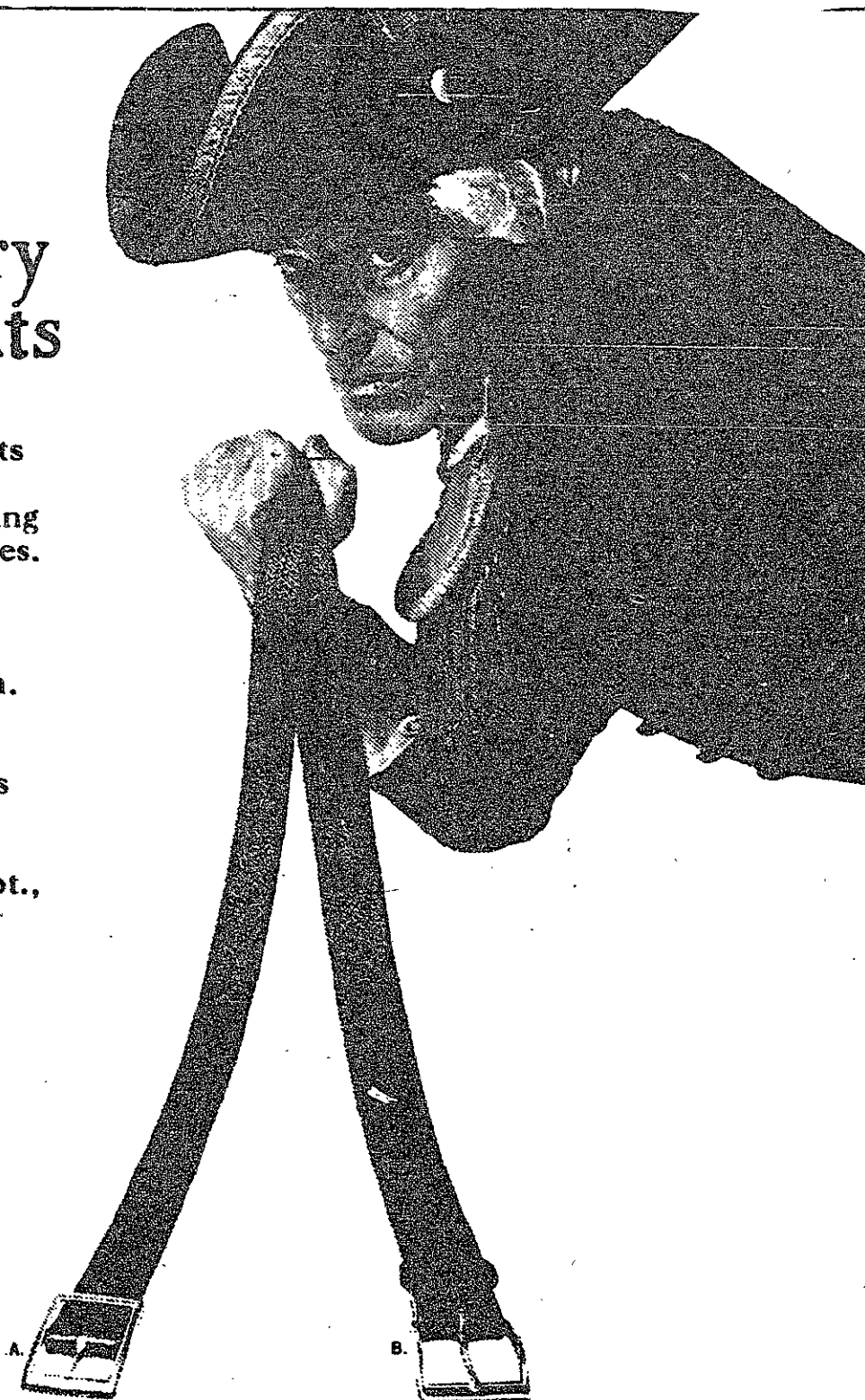
Bonus: Who is Button Gwinnett?

Tell us and we'll send you a Button Gwinnett kit (5 different buttons and bumper stickers). If you don't know, confess...and we'll send you the kit anyway. Write "Button, Button" Dept., P.O. Box 5269, Chicago, Illinois 60680.

**Fife & Drum Belts**  
By Paris



64 Massachusetts Avenue, Cambridge, Mass. 02139



Tumbled Shrunken Steerhide: A. 1 1/4" black reverses to brown. \$5.00. B. 1 1/2" with suede lining. \$5.00.







# Clouds portend high dew-point

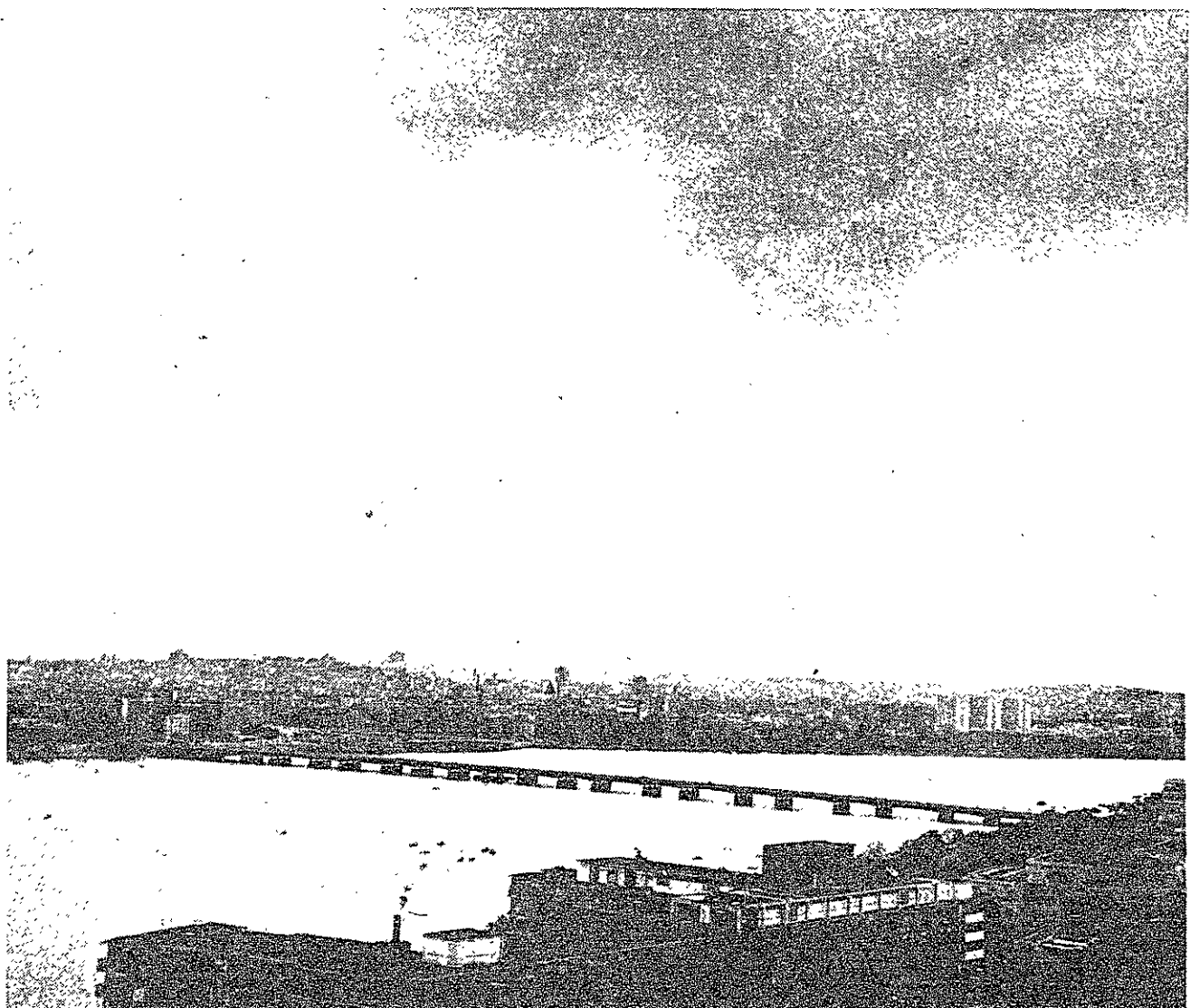


Photo by Steve Gretter

The clouds hanging over the Harvard Bridge last week were due to a collision of a moist air mass swirling out of the Gulf of Mexico with the cold air of the arctic. They did not break up until the dew-point had risen to 70° F.

## More protein needed

# Altschul receives award

Fortified cereals and sophisticated protein beverages will soon be finding their way to the world's hungry millions said Dr. Aaron Altschul, Department of Nutrition and Food Science, in a presentation ceremony honoring him last night at Boston's Museum of Science.

**Fifth winner**

Dr. Altschul was chosen by MIT to be the recipient of the fifth annual Underwood-Prescott Memorial Award, established in 1962 by the William Underwood Co., oldest food canners in America. The award is bestowed in memory of the late William Underwood, grandson of the company's founder, and of the late Samuel Cate Prescott, MIT's first Dean of Science.

Speaking in his capacity of Special Assistant for International Nutrition Improvement to the US Secretary of Agriculture, Dr. Altschul described the goals and efforts of various scientific bodies and the United Nations in particular to meet the world food problem. In his address, he pointed to the fortification of cereals and cereal flours with proteins and the formulation of entirely new food beverages from low cost protein sources as promising nutrition sources. They have the advantages of speed, low cost, and not requiring a drastic change in eating habits for whole populations.

### Aesthetic satisfaction

In addition, aesthetic satisfaction can be achieved by the creation of new textured foods, such as bread, as well as protein spreads, fortified baked goods and protein desserts. Dr. Altschul cited bread as one of man's greatest inventions as it transformed structureless flour into a textured material.

New foods can be derived directly from plant sources, from fish or even from non-agricultural materials, according to Dr. Altschul. In fact, making the most of these sources is an absolute necessity since animal sources will be in ever shorter supply for coming generations.

### Fortified shipments

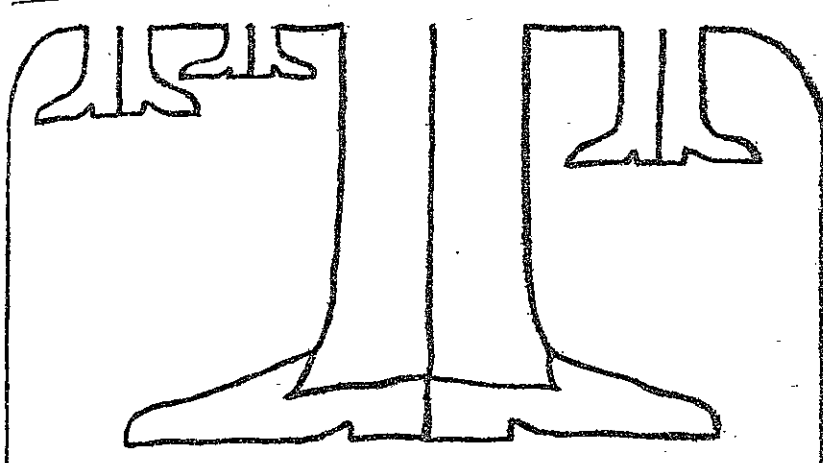
Dr. Altschul outlined the present goals for combating worldwide hunger. "By 1969 all emergency shipments of grain will be fortified to the optimal extent either with amino acids or with protein concentrates. By 1970, all imports (to developing countries) of grain will be fortified, and all grain processed in large urban centers in developing countries will be fortified, to the maximum possible extent.

"We are encouraging the food industry," he continued, "to investigate the possibilities of developing new foods in countries where there is a shortage of protein." He alluded to projects in which American companies were developing a protein beverage for El Salvador, a soybean beverage and food products for Brazil, and new foods from wheat protein concentrate for Tunisia. "Our goal is a billion cups additional protein beverage by 1970," he said. This would be equivalent to adding a million tons of protein to the world protein supply,

# TECHNIQUE OPTIONS GO ON SALE

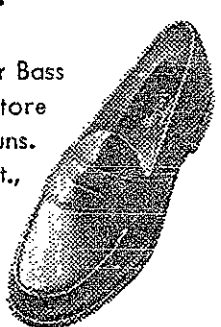
IN BUILDING 10  
OCTOBER 23-24-25

SAVE \$2.00  
NOW



Stand up and be counted  
in Bass Weejuns!

Be a big number on campus... ask for Bass Weejuns® moccasins at your nearby college store or shoe shop. Only Bass makes Weejuns.  
G. H. Bass & Co., Main St.,  
Wilton, Maine 04294.



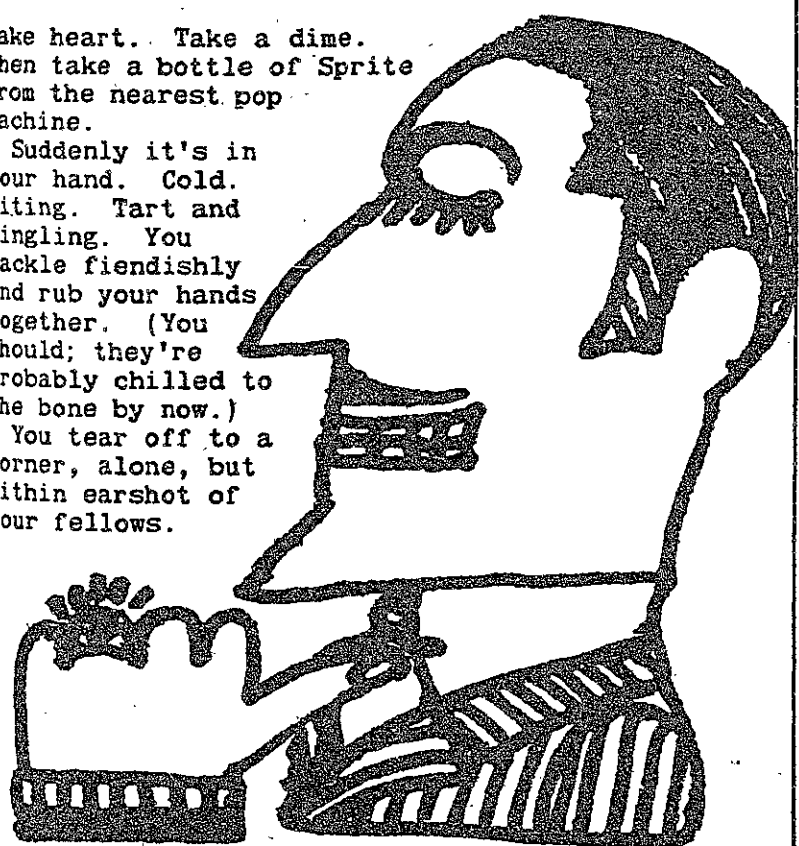
This is your chance,  
Student #7026941.  
Drink Sprite and be  
somebody.

MR. BIG

Take heart... Take a dime.  
Then take a bottle of Sprite  
from the nearest pop  
machine.

Suddenly it's in  
your hand. Cold.  
Biting. Tart and  
tingling. You  
cackle fiendishly  
and rub your hands  
together. (You  
should; they're  
probably chilled to  
the bone by now.)

You tear off to a  
corner, alone, but  
within earshot of  
your fellows.



And then? And then? And then you unleash it.  
SPRITE! It fizzes! It roars! It bubbles with  
good cheer!

Heads turn. Whisperings. "Who's that strangely  
fascinating student with the arch smile. And what's  
in that curious green bottle that's making such  
a racket?"

And you've arrived! The distinctive taste and  
ebullient character of Sprite has set you apart.  
You're somebody, uh...uh, whoever-you-are.



SPRITE. SO TART AND  
TINGLING. WE JUST COULDN'T  
KEEP IT QUIET.

SPRITE IS A REGISTERED TRADE MARK

## PARADISE CAFE or SPORTSMAN DELI

(same place)  
CORNER MASS. & ALBANY, ACROSS FROM MIT REACTOR  
Makes your beer, wines, pizza and delicious subs taste better

**JAZZ** Every Friday and  
Saturday aites

(Currently featuring MONK MYERS and BERNIE ROSE)

NOVEMBER 2, 3, 6:

That's when the Merck Representative  
will be on campus.

He has important information for you—like  
what it means to work for a leader in growth  
and in research investment. The material benefits  
you'll receive. The satisfaction you'll get,  
knowing your work contributes to a better life  
for people all over the world. Worth considering,  
isn't it?

Merck is hiring from many disciplines, at many  
degree levels. Check with your placement  
service for specific career information.



**MERCK & CO., INC.**  
Rahway, New Jersey 07065  
An Equal Opportunity Employer



# Kibitzer

By Philip Selwyn

North			
♠ 7 2			
♥ Q 3 2			
♦ A K 8 6			
♣ A 10 7 4			
West			
♠ A K 8 3			
♥ K J 9 4			
♦ 5 2			
♣ 9 6 3			
East			
♠ 4			
♥ A 10 7 6 5			
♦ J 10 4			
♣ Q J 8 5			
South			
♠ Q J 10 9 6 5			
♥ 8			
♦ Q 9 7 3			
♣ K 2			

Neither Vulnerable

South	West	North	East
2 ♠	Pass	2 NT	Pass
3 ♦	Pass	4 ♠	All Pass

Opening Lead: 4 of hearts

Of the many lines of play available to the defense, one of the most useful is the forcing game. Rather than use their trumps for ruffing purposes, the defenders try to make declarer exhaust his own trump supply by forcing him to ruff at every opportunity. If they are successful, one of the defenders will be left with more trumps than declarer.

Even the most secure contracts can sometimes be defeated by this technique. In today's hand, we have an example of such a situation. Declarer thought there was never going to be a problem with the hand, but perfect defense proved him wrong. At least he had the consolation, though, of knowing that there was nothing he could have done to prevent it.

The opening bid was a Weak Two Bid, now preferred by most tournament players to the standard forcing two bid. A weak two bid usually suggests a good six card suit with a total of 6 to 12 high card points. North's response was forcing. It asked South to bid a side feature if he had a better than minimum hand. South's choice of rebid was a toss-up between 3 Clubs and 3 Diamonds. Either way North would have gone on to game.

West found the best opening lead of a low heart. East won the trick with the Ace and returned another low heart. With the Q in dummy, South would have liked to have had something to discard. Unfortunately, since he still had to lose two top trump tricks, he had no alternative but to ruff. West took South's J of spades lead with the K, and returned the K of hearts, pinning dummy's Q in the process. South was again forced to ruff, but this presented no problem if the trumps were breaking 3-2. However, when he led out his Q of spades and East showed out, he knew the end had come. West won the second trump lead and

forced declarer a third and fatal time with his last heart. Since he now had two trumps to declarer's one, he could not be stopped from taking a third trump trick to set this "cold" contract.

**SCUBA DIVING CLASSES**  
Coed — Boston YMCA  
KE 6-7940

**STAMP IT!**  
IT'S THE RAGE  
REGULAR MODEL  
ANY \$2  
3 LINE TEXT  
The finest INDESTRUCTIBLE METAL  
POCKET RUBBER STAMP. 1/4" x 2".  
Send check or money order. Be  
sure to include your Zip Code. No  
postage or handling charges. Add  
sales tax.  
Prompt shipment. Satisfaction Guaranteed  
**THE MOFF CO.**  
P. O. Box 18623 Lanex Square Station  
ATLANTA, GA., 30326

The deadline for mailing applications to take the State Department internship examination or the Foreign Service entrance examination is tomorrow. Both exams will be given Saturday, Dec. 2. Applications are available in E53-425.

**THE CODON CORPORATION**  
special computer system  
Several full and part-time positions exist for:  
real-time systems analysts  
programmers  
control systems engineers

Please call or write:  
**THE CODON CORPORATION**  
Post Office Box 137  
Cambridge, Mass. 02140  
**492-6870**

An Equal Opportunity Employer

**MONROE**  
ELECTRIC CALCULATOR  
**\$119.50**  
SQ. ROOT TABLES INCLUDED

Electric Short Cut Multiplication  
Automatic Division

This MONROE calculator is ideally suited for standard deviations and all statistical calculations, every computation arising in science and commerce.

- The most acclaimed calculator in the Monroe line.
- The phrase — operators who know prefer Monroe — was coined on this model MA7-W.

Completely reconditioned and Fully Guaranteed For One Year against mechanical defects of any kind including replacement parts and labor. Dust cover, written guarantee and operating instructions are included with each machine.

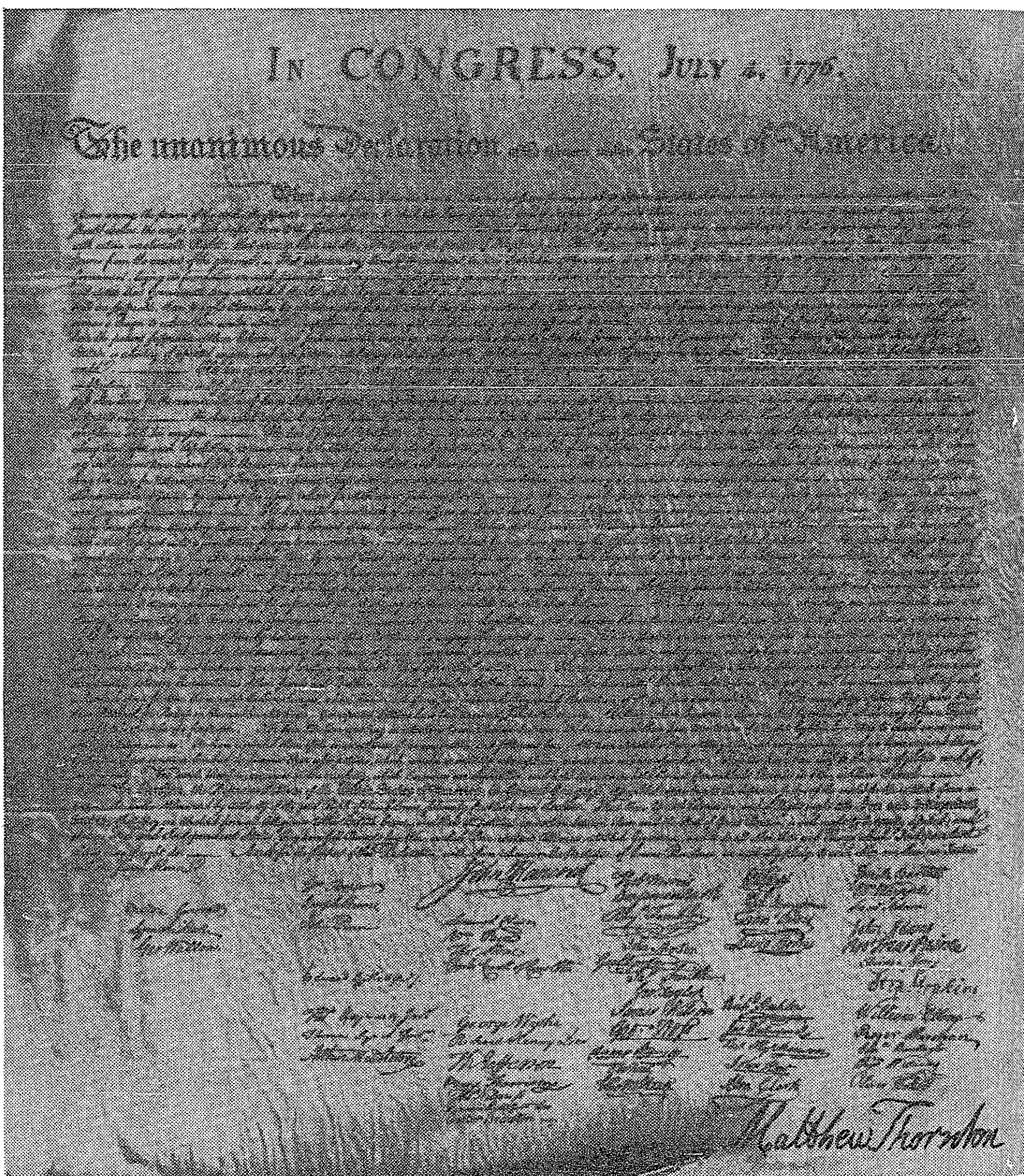
AAA ADDING MACHINE CO. 26-09 Jackson Ave., Long Island City, N.Y. 11106

Phone Collect 212-784-7777

Please send me the Monroe MA7W Electric Calculator. I understand this Machine is fully guaranteed one year against defects in parts and labor.

☐ Enclosed is \$119.50 ship pre.  
☐ Enclosed is \$25.00 ship C.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_



**If Matthew Thornton had signed his name with the Scripto Reading Pen, he'd be remembered today.**

Scripto's new Reading Pen makes what you write easier to read. That's why Scripto calls it the Reading Pen. It's a new Fiber-Tip pen that writes clear and bold. Not a fountain pen, not a ball-point, this is an entirely new kind of pen with a durable Fiber-Tip. Get the refillable Reading Pen for \$1. Refills come in 12 colors. Available in a non-refillable model for 39¢. Write with Scripto's new Reading Pen. You'll be remembered.



New fiber tip from  
**Scripto**

**THINKING VOYNO**  
Our Reputation is your Guarantee!

**DALZELL**  
MOTOR SALES  
Rte. 1, Dedham  
(Dedham Plaza)  
329-1100

Overseas Delivery Of Course

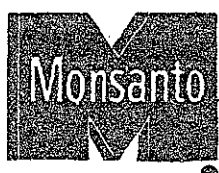


Candidates for degrees in . . .  
Eng., Metallurgy, Material Science,  
Physics, Chem.

## Meet the Man from Monsanto

Oct. 23, 24 & 25

Sign up for an interview at your placement office. This year Monsanto will have many openings for graduates at all degree levels. Fine positions are open all over the country with America's 3rd largest chemical company. And we're still growing. Sales have quadrupled in the last 10 years . . . in everything from plasticizers to farm chemicals; from nuclear sources and chemical fibers to electronic instruments. Meet the Man from Monsanto—he has the facts about a fine future.



An Equal Opportunity Employer

## Tech rugby club drops three, lose to Brown, Tufts, HBS

The rugby club has been engaged in quite a bit of action recently. The first team has lost all three of its fall games to such rugby giants as the Harvard Business School, 15-6, and to Brown University and Tufts University by scores not even worth repeating. Ralph Masiello '68 has been an outstanding performer in all these contests, with Bud Boring also helping out the offensive power of the team.

The second team has had somewhat more success in their two contests. Against Brown, the team went down in ignominious defeat in a tightly played defensive game by the score of 9-3. However, they fared somewhat better against the Crimson Businessmen, winning by an identical score of 9-3.

**Tough season ahead**  
Future contests for the ruggers

**RACKETS RESTRUNG**  
**Tennis & Squash Shop**  
67A Mt. Auburn St., Cambridge  
(Opp. Lowell House)  
TR 6-5417

include a contest with Palmer College, which is not expected to be too much of a match for the team, and a much tougher one against a perennially tough team from Holy Cross. The Crusaders have always been one of the teams to beat in rugby, and this year is not expected to be an exception.

If anyone is interested in this sport, which is reputed to be even rougher than football, practices are held on Tuesday, Wednesday and Thursday at 5 pm on Briggs Field.

## Foreign Policy Conference to hear Rusk, assistants

Secretary of State Dean Rusk will be the featured speaker in an all-day Regional Foreign Policy Conference to be held Thurs. Nov. 9, at the Somerset Hotel. Also scheduled to speak are Anthony M. Solomon, Assistant Secretary for Economic Affairs; Sol M. Linowitz, US Ambassador to the Council of the Organization of American States; Robert W. Barnett, Deputy Assistant Secretary for East Asian and Pacific Affairs; Charlotte M. Hubbard,

Deputy Assistant for Public Affairs; and Robert S. Smith, Deputy Assistant Administrator (AID) for Africa.

The conference, so-sponsored by the US Department of State and World Affairs Council of Boston, will be attended by community and civic leaders from all of New England. Secretary Rusk will speak at a luncheon meeting, while the other State Department officers will head discussions.

A Foreign Policy Conference for New England Youth will be held concurrently at Reading Memorial High School, Reading, Mass., from 9:30 am until 2 pm. This conference will begin with a talk by Frank A. Sieverts, Special Assistant to Ambassador W. Averell Harriman, on the goals of US Foreign Policy. Several of the State Department officers from the adult conference will speak at the Reading High School meeting. Students from all six New England states are expected to attend this conference, along with their faculty advisors.

## Engineers, Mathematicians: you should consider a career with NSA

... if you are stimulated by the prospect of undertaking truly significant assignments in your field, working in its most advanced regions.

... if you are attracted by the opportunity to contribute directly and importantly to the security of our nation.

... if you want to share optimum facilities and equipment, including one of the world's foremost computer/EDP installations, in your quest for a stimulating and satisfying career.

The National Security Agency is responsible for designing and developing "secure" communications systems and EDP devices to transmit, receive and process vital information. The mission encompasses many aspects of communications, computer (hardware and software) technology, and information recording and storage ... and provides a wealth of career opportunities to the graduate engineer and mathematician.

ENGINEERS will find work which is performed nowhere else ... devices and systems are constantly being developed which are in advance of any outside the Agency. As an Agency engineer, you will carry out research, design, development, testing and evaluation of sophisticated, large-scale cryptocommunications and EDP systems. You may also participate in

related studies of electromagnetic propagation, upper atmosphere phenomena, and solid state devices using the latest equipment for advanced research within NSA's fully instrumented laboratories.

MATHEMATICIANS define, formulate and solve complex communications-related problems. Statistical mathematics, matrix algebra, and combinatorial analysis are but a few of the tools applied by Agency mathematicians. Opportunities for contributions in computer sciences and theoretical research are also offered.

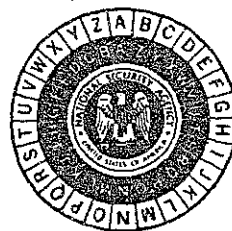
**Continuing your Education?** NSA's graduate study program may permit you to pursue two semesters of full-time graduate study at full salary. Nearly all academic costs are borne by NSA, whose proximity to seven universities is an additional asset.

**Salaries and Benefits** Starting salaries, depending on education and experience, range from \$8,000 to \$13,500, and increases follow as you assume additional responsibility. Policies relating to vacations, insurance and retirement are liberal, and you enjoy the advantages of Federal employment without Civil Service certification. Another benefit is the NSA location, between Washington and Baltimore,

which permits your choice of city, suburban or country living and allows easy access to the Chesapeake Bay, ocean beaches, and other summer and winter recreation areas.

**Campus Interview Dates:**  
OCTOBER 30, 31

Check with the Placement Office now to arrange an interview with NSA representatives on campus. The Placement Office has additional information about NSA, or you may write: Chief, College Relations Branch, National Security Agency, Ft. George G. Meade, Maryland 20755, ATTN: M321. An equal opportunity employer, M&F.



**national  
security  
agency**

## Protein sources aid food shortage in world crisis

(Continued from Page 13)

or about 10 percent of the amount now contributed by milk.

The increasing food shortage, ever larger populations and growing poverty all combine, he said, "to make a most difficult and tragic situation — the most difficult the world has ever faced." Only by being as bold and sophisticated in our thinking about food as we are about space can man hope to buy enough time "to allow each society and each nation in its own way to find its optimum ecological balance."

poster design  
h. wiener  
media  
566 - 2849

## Headquarters

- LEVI'S
- LEE'S
- WRANGLERS

## Central War Surplus

Central Square Cambridge  
433 Mass. Ave.



... where imagination is the essential qualification



# Tech golfers set back BC, Bentley in triangular match

By Ron Cline

Monday the varsity golf team improved their season record to 2-1 by defeating both Boston College (4-3) and Bentley College (6-1).

The win over Boston College gains added significance with the realization that just one week ago BC won the right to represent New England in the ECAC championship this weekend at Bethpage, New York. Boston College won qualifying round at Watch-hill, RI, by nine strokes.

## Banner wins two

Team captain Gerry Banner '68 paved the way in the number one spot by firing a 34-43-77, defeating BC's ace, Pete Sennot, 2-1 and also rubbing out Bentley's top contender. Tech's number two man, Tom Thomas '69, shot an 81, winning his Bentley match. He lost to the BC opponent, who went even par for 13 holes. Mike McMahan '69 also split, losing to BC. McMahan lost out by bogeying the 375-yard 2nd hole, although making a very nice recovery of a 77 total, and ending one up on the 20th hole.

## Smolek medalist

Don Anderson '70 won both of his matches with a 77. John Light '70, shot an 84, losing to both opponents. Ken Smolek '70 won both of his, with the team low of 76. Tom James '68 split with his 84, but winning the deciding BC match.

The Tech golfers wind up the season next Monday in a triangular match with Brandeis and Clark on the home course. Both teams are expected to be easy

prey for the engineers, who are looking forward to a 4-1 Fall record, and an excellent season next spring. Coach Merriman's team, led by Gerry Banner, could come up with the best season in recent MIT history.

# Booters topped by Tufts in fourth period rally

By George Novosielski

The varsity managed to score twice against Tufts in a soccer match at Briggs Field Wednesday, but nonetheless still suffered a 5-2 setback. The latest defeat stretched Tech's losing streak to four straight. The game had the kickers come from behind to take a 2-1 lead, only to lose it again to a fourth period Tufts onslaught.

## First period scoreless

The first period was scoreless as the play went back and forth with neither team able to generate a strong offense. Tufts broke into the scoring column first even though the Beavers held the edge in play and in shots on goal. When scoring opportunities presented themselves, the Tech kickers found their shots going wide or over the crossbar. Halftime saw MIT trailing 1-0.

The second half opened with the Techmen in almost constant possession of the ball. Finally, about halfway through the third period, the offense broke through its four game scoreless drought with two goals in the space of two minutes. The first came on a play resulting from a direct kick. The goal was Joe Kadich's '69 fifth of the year and the assist went to Steve Young '70. Momentarily disorganized, the Tufts de-

## Sweep top six places

# Harriers trounce BC, 49-15

By John Wargo

The varsity cross-country team remains in the ranks of the undefeated as Coach Farnham's squad ran Boston College into the ground Tuesday at Franklin Park, 15-49. Ben Wilson '70, Pete Peckarsky '68, Jim Yankaskas '69, John

Owens '70, Larry Petro '70, and Geoff Hallock '69 combined for Tech to take the first six places in the meet. MIT's reserves figured into the scoring, too, for Boston College's first five finished 7, 9, 10, 11, and 13 for a worse-than-whitewash score.

The depth and strength of the team improves each meet: Tuesday, Tech not only swept the first six places (which may be due to running against a weak team), but also bunched the first four into a spread of less than a minute, with Ben Wilson breaking the tape in 24:17.2 for the 4.7 mile course. This was Ben's first varsity cross-country victory and indicates that he is coming along quite well in recovering from his knee injury.

## Team still working

The remainder of the team is also striving to get into better running condition, with everyone looking forward to the University of New Hampshire meet at Franklin Park today, hoping to add another victory to the already impressive 5-0 record. The Engineers have not beaten New Hampshire in 15 years, but team captain Jim Yankaskas summed up the team's feelings with "We hadn't beaten Wesleyan in eight years either, so there's always a first time. We're really going to be up for New Hampshire."

The UNH meet is Tech's last dual meet of the season, leaving only two triangular meets, the Greater Bostons and New Englands (both of which will be run on Tech's home course at Franklin Park), and the IC4A. After Friday the varsity gets a week off in which to try to work out some of those early-season injuries and get in top shape for these big meets, the first of which will be the Greater Bostons on Tuesday.



Photo by Mike Venturino

Ken Hawes '68 kicks a pass for the engineer squad, setting up another play. Despite the efforts of the varsity kickers, they lost to Tufts 5-2 in Tech's first league match.

fense then allowed a loose ball in front of the net, which Julius Gutman '68 quickly banged in.

## Lead disappears

The lead, however, was to be short lived. Tufts came back with a determined attack and quickly scored the equalizer late in the third period.

The fourth period belonged to Tufts. Forcing the play into Tech's half of the field, the visitors soon took the lead 3-2 on the first of their three goals in the period. The fourth goal came on a penalty kick and after that the Beavers just went through the motions.

The engineers now stand at 0-1 in league play and 2-5 overall. Next on the schedule is a game with Brandeis Wednesday afternoon. The team is looking to break its losing string and even its league record at 1-1.

## Show good depth

# Racketmen beat Brandeis, win six of seven matches

By Jon Steele

Wednesday afternoon the varsity netmen took to Brandeis' hardcourts and scored the traditional victory there. MIT won five of the six singles matches and had won the first doubles when play was terminated due to darkness. Co-captains Steve Deneroff '68 and Carl Weissgerber '68 will return there again this weekend to compete in the Brandeis Invitational Tournament. As at Rhode Island last week, MIT's strength was again at the bottom of the lineup. Bob McKinley, Manny Weiss, and Joe Baron, all sophomores, scored easy straight-set victories. At number one, Weissgerber had to fight from behind before overcoming Bernie Rous 1-6, 9-7, 6-2, and Deneroff lost twelve consecutive games on the second court.

## Weissgerber seeded

Both Deneroff and Weissgerber hope to perform better in the tournament tomorrow. Weissgerber, who was a finalist at Brandeis two years ago, is fourth seeded in the competition. Nevertheless, he is optimistic about MIT's chances for the team title. The toughest competition will come from left hander John Mayotte of Holy

Cross, last year's New England junior champion. Deneroff, who is seeded second in the tournament, will need to overcome his psychological quirks to defeat Mayotte, but Steve has been practicing on hard courts all week and is up for the challenge. In the doubles, Steve and Carl should be the strongest team there.

## Singles

Weissgerber (M) d. Rous (B) 1-6, 9-7, 6-2  
Deneroff (M) l. Granville (B) 0-6, 0-6  
McKinley (M) d. Zalenka (B) 6-0, 6-2  
Metcalfe (M) d. Zaslow (B) 6-2, 6-1  
Weiss (M) d. Shpiner (B) 6-2, 6-3  
Baron (M) d. Ward (B) 7-5, 6-0

## Doubles

Metcalfe & Stewart (M) d. Zalenka & Shpiner (B) 6-3, 6-1



Photo by Terry Bone

A Tech frosh kicker claims the soccer ball in Wednesday's game against BU, as several other players come to give aid if needed. BU won the game, 4-0.

player, denying goalie Aaron Tovich a chance at the ball.

## Tech dominates play

Again in the second half, the engineers dominated the play but were scored upon because of defensive unwariness. The final score came in the fourth quarter when BU's Maylor came in almost unchallenged and sent the ball into the net.

The squad next travels to New Hampshire, while still looking for their first intercollegiate win.

## BC romps over harriers

The frosh harriers ruined their perfect 4-0 record Tuesday with a loss to Boston College. The engineers were badly outclassed as BC romped to an easy 47-16 victory. BC's team included the Massachu-

setts half mile and two mile champions.

Rick Paulson was Tech's highest finisher, placing fifth in 17:38. Pat Sullivan, Pete Hutzel, Bill Dix, and Dave Leehay placed ninth through twelfth for the engineers.

lles of BC won easily with a time of 16:53.1 almost thirty seconds in front of second place finisher Catano, who finished in 17:21. BC dominated the race, and after a mile and half on the 3.1 mile course the order of finish was well set.

The Tech frosh cross country team faces another tough team this afternoon when they meet UNH at Franklin Park.

## frosh sports

# Boston U. tops kickers; Harriers beaten by BC

By Scott Ramos

Controlling the ball has become less of a problem for the frosh kickers, but inability to stop opponents scoring drives still needs work. Boston University's frosh squad defeated Tech Wednesday afternoon, although the 4-0 score was not at all indicative of the play.

The game went scoreless until 6 seconds remained in the first quarter when BU's Mettpearl smashed one into the nets from about 30 feet out. Moralis and Mills both scored next for BU, the first coming on a deep pass into Tech's backfield, then with the forward dribbling around two defenders, faking the goalie, and pushing in the goal. The third score was a cheap one as it was partially deflected by a Tech

The MIT pocket billiards tournament will be Saturday, October 28. The tournament, which will be run much the same as it was last year, will be held on Saturday and Sunday mornings from 9 to 12 o'clock in the games area of the Student Center. A one dollar deposit, refunded to each player upon elimination, will be required of all contestants. All those interested should register at the desk in the games area of the Student Center before 6 pm Thursday, Oct. 26.

## On Deck

### Today

Cross country (V&F)—UNH, home, 4 pm  
Soccer (JV)—Worcester Jr., home, 3:30 pm  
Soccer (F)—UNH, away, 3 pm

### Tomorrow

Sailing (V)—Finn nonagonal, away  
Tennis (V)—Brandeis Tournament, away

### Sunday

Tennis (V)—Brandeis Tournament, away  
Sailing (V)—Three crew team race, home  
Sailing (F)—Decagonal, away

### Monday

Golf (V)—Clark, Brandeis, home, 12:30 pm

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations, by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617 876-5885, and 866-6900 extension 2731. United States mail subscription rates: \$4.25 for one year, \$8.00 for two years.